Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-F-0001 CUSTOMER NUMBER: 1198

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Lawrence Berkeley National Laboratory 1 Cyclotron Road, Bldg. 74 Berkeley, CA 94720

Telephone: (510) -486-6758

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| | | 05 DECEMB | CH EACH ITY (Attach additiona | il sheets if necessarv or use APHIS Form 7023A) | |
|------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| | | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, resor interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reask such drugs were not used must be attached to this report | F. TOTAL NUMBER OF ANIMALS (COLUMNS C+D+E) |
| 4. Dogs | 0 | 2 | | | |
| 5. Cats | 0 | | | <u> </u> | |
| 6. Guinea Pigs | 0 | | | | |
| 7. Hamsters | 0 | | | | |
| 8. Rabbits | 0 | | | | |
| 9. Non-human Primates | 0 | | | | |
| 10. Sheep | 0 | | | | |
| 11. Pigs | 0 | | | | |
| 12. Other Farm Animals | 0 | | | | |
| | | | | | |
| 13. Other Animals | 0 | | | | |
| | | | | | |
| | | | | | |
| | | | | | 1 |

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research ASSURANCE STATEMENTS teaching, testing, surgery, or experimentation were followed by this research facility.

 - 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and appropriate the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and appropriate the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations are supported to the standards are supported to the standards and regulations are supported to the standards are supported to the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in the foundation of the condition brief explanation of the exceptions, as well as the species and number of animals affected.
 - 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

| arch tacility has | s appropriate administry | THE ACTUATIVE OFFICIAL |
|-------------------|-------------------------------------------------|--------------------------|
| | CERTIFICATION BY HEADQUARTERS RESEAR | CH FACILITY OFFICIAL |
| | (Chief Executive Officer or Legally Responsible | Institutional Official) |

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

SIGNATURE OF C.E.

im. Benson Dir of Operations

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

(AUG 91)

This report is required by law (? USC 21 43) Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150

Set reverse side for additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

REGISTRATION NO . 1199

93-F-0005

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Space & Naval Warfare Systems Center Biosciences Division, Code 235 53560 Hull Street San Diego, CA 92152

| | | | | San | Diego, CA 92152 | additional |
|-------------------------------------|------------------------------|----------------------------------|--------------------------------------------------|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| | | | in actual r | search, testing, tea | Diego, CA 32102 ching, or experimentation, or held for these purposes. Attach | |
| REPORTING FACILITY (List all I | ocations where animals | s were housed or used | in actor. | | | |
| sheets if necessary.) | | | | TIONS (Sites) | | |
| | | FAC | LITYLOCA | TONS (ones) | | |
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| | | | | | | |
| | | | | | | |
| | | DESEABOH FACILIT | Y (Attach a | dditional sheets if nec | essary or use APHIS FORM 7023A) E. Number of enimals upon which teaching experiments, research, surgery, or tests were experiments, research, surgery, or tests were | |
| EPORT OF ANIMALS USED BY OF | R UNDER CONTROL O | F RESEARCH THE | D. Numbe | er of animals upon | E. Number of animals upon which teaching experiments, research, surgery, or tests were | •. |
| | B.Number of animals being | C. Number of animals upon | which | experiments, | | TOTALNO |
| | bred, | which teaching. | teachi | ng, research. | to the animals and for which the drugs would | OF ANIMALS |
| Animals Covered | conditioned, or | research, | surger | y, or tests were cted involving | | • |
| By The Anima Welfare Regulations | held foruse in | experiments, or tests were | | manying pain or | interpretation of the teaching, research, | (Cols. C + |
| Meliare Kegulations | teaching, testing, | conducted | distre | ss to the animals | interpretation of the teaching, the explanation of experiments, surgery, or tests. (An explanation of experiments, surgery, or tests, or distress in those | D + E) |
| | experiments, research, or | involving no | and fo | or which appropriate | experiments, surgery, or tests. (1) the procedures producing pain or distress in those the procedures producing pain or distress in those animals and the reasons such drugs were not used. | - , |
| | surgery but not | pain, distress. or | anest | hetic, analgesic, or ullizing drugs were | animals and the reasons such as must be attached to this report) | |
| | yet used for such | use of pain- relieving drugs. | used | | musi be allocited | |
| | purposes | Iglieving cress | | | | |
| | 1 | | 1 | | and a contract of the contract | |
| | | Distributi | on limit | ed to U.S. Go | Pernment agencies only: D8 July 04. Other requests for this The Commanding Officer, Space and | |
| 4. Dogs | | Administ | rative/o | perational use | , 08 July 04. Other requests | |
| 5 Cats | | documer | tshall | e referred to | the Commanding Officer, Space and | |
| 5. Cats | | Novel W | affare S | vstems Cente | r San Diego, CA 92152-5001 | |
| 6. Guinea Pigs | | Navai vv | and acc | entable stand | ards governing the care, treatment and | |
| 8. Games | | Profession | ilai acc | including the | ards governing the care, troublessesses of anesthetic, analgesic or analysis of the veterinary | |
| 7. Hamsters | | use of a | nimais, | device are a f | orimary component of the veterinary | |
| 7. 110.110 | | and tran | quilizing | drugs are u r | orimary component of the veterinary | 1 |
| 8, Rabbits | | - care pro | gram. | the institution | orimary component of the vectorities of the vectorities and Animal Care and Utilization Committee and found them to be in compliance | <u> </u> |
| | | | d bil roc | earch brotoco | is dife | ì |
| 9. Non-human Primates | | with all | animal | welfare regula | tions. | |
| 9 | | | | | | 1 |
| 10. Sheep | | | | | · | |
| | · | | | | | 1 |
| 11., Pigs | | | | | | |
| | 1 | 1 | | | | |
| 12. Other Farm Animals | | | | | | |
| | | | | | | |
| | | | | | | + |
| Animals | | | - | | 0 | ' |
| 13 Other Animals | | 1 | | 0 | | - |
| White Whales | 0 | | | | 0 | 14 |
| | | 14 | 1 | 0 | 0 | |
| Dolphins | 0 | 14 | | | | 2 |
| Dolphins | | | - 1 | 0 | 0 | |
| | 0 | 2 | | | | |

ic, analgesic, and tranquilizing drugs, prior to, during Sea Lions Professionally acceptable standards governing the care, treatment, and use of animals including appropriate use of anests
and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility ASSURANCE STATEMENTS

- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC), as well as the species and number of animals affected. addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarianfor this research facility has appropriate authority to ensure the provision of adequate animal care and use.

| The attending veterinal artist the animal care and use. | | PERSEARCH FACILITY OFFICIAL |
|---------------------------------------------------------|-----------------------------|---------------------------------------------------------------|
| | CERTIFICATION BY HEADQL | JARTERS RESEARCH FACILITY OFFICIAL |
| | (Chief Executive Officer or | e, correct, and complete (7 U.S.C. Section 2143). |
| | I Certify that the above | NAME & TITLE OF CEO OR INSTITUTIONAL OFFICIAL (Type or Print) |
| OF OR INSTITUTION | AL OFFICIAL | NAME & III DISCIENCES DIV |

SIGNATURE OF CEO OR INSTITUTIONAL

Michael J. Rothe, Head, Biosciences Div SPAWARSYSCEN, Code 235

DATE SIGNED 7/12/04

APHIS FORM 7023

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-F-0006 1200 CUSTOMER NUMBER:

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Nasa Ames Research Facility **Animal Care Facility** Mail Stop 261-1 Moffett Field, CA 94035

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Siles) - See Atached Listing

| | | | WELDING A Hach additional | sheets if necessary or use APHIS Form 7023A) | |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or, surgery but not ye used for such purposes. | NTROL OF RESEARC Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, resor interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reason such drugs were not used must be attached to this report | F. TOTAL NUMBER OF ANIMALS (COLUMNS |
| 4. Dogs | | | | | |
| 5. Cats | | | | | |
| 6. Guinea Pigs | | | | | 122 |
| 7. Hamsters 8. Rabbits | Ø | Ø | 122 | Ø | 120 |
| 9. Non-human Primates | | : | | | - |
| 10. Sheep | | | | | |
| 11. Pigs | | - | | | + |
| 12. Other Farm Animals | | | | | : |
| 13. Other Animals | , 5 | Ø | Ø | Ø | |
| | | | | willizing drugs, prior to, during | and following actus |

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual resetted to the children of a specimental content of the co teaching, testing, surgery, or experimentation were followed by this research facility.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and application to the standards and regulations to the standards and regulations the IACLIC approach to the standards and regulations that IACLIC approach as a standard and application to identifying the IACLIC approach as a standard and application to identifying the IACLIC approach as a standard and application to identify the IACLIC approach as a standard and application to identify the IACLIC approach as a standard and application to identify the IACLIC approach as a standard and application to identify the IACLIC approach as a standard and application to identify the IACLIC approach as a standard and application to identify the IACLIC approach as a standard and application to identify the IACLIC approach as a standard and application to identify the IACLIC approach as a standard and application to identify the IACLIC approach as a standard and application to identify the IACLIC approach as a standard and application to identify the IACLIC approach as a standard and application to identify the IACLIC approach as a standard and application to identify the IACLIC approach as a standard and application to identify the IACLIC approach as a standard and application to identify the IACLIC approach as a standard and application to identify the IACLIC approach as a standard and application to identify the IACLIC approach as a standard and application to identify the IACLIC approach and application to identify the IACLIC approach as a standard and application to identify the IACLIC approach and application to identify the IACLIC application to identify the IACLIC approach and application to identify the IACLIC approach and appl Inis racility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the IACUC-approved exceptions, this summary in Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in Institutional Animal Care and Use Committee (IACUC).
- 4) The altending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) Lewis S. Braxton III - Institutional Official DATE SIGNE

1511/4

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

(AUG 91)

SIGNATURE

Interagency Report Control No.:

FORM APPROVED

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-F-0007 CUSTOMER NUMBER: 1201

OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Usda, Agricultural Research Service Western Regional Research Ctr 800 Buchanan Street Albany, CA 94710

Telephone: (510) -559-5600

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report | TOTAL NUMBE OF ANIMALS (COLUMN C + D + E |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| | | drugs. | 0 | 0 | 0 |
| , C¦ogs | 0 | 0 | 0 | 0 | 0 |
| . Cats | 0 | 0 | | 0 | 0 |
| 6. Guinea Pigs | . 0 | 0 | 0 | 0 | 630 |
| 7. Hamsters | 0 | 630 | 0 | 0 | 0 |
| 8. Rabbits | . 0 | 0 | 0 | 0 | 0 |
| 9. Non-human Primates | 0 | 0 | 0 | | 0 |
| 10. Sheep | 0 | 0 | 0 | 0 | 0 |
| 11. Pigs | 0 | 0 | 0 | 0 | + |
| 11. Pigs 12. Other Farm Animals | | | | , | |
| | | | | | |
| 13. Other Animals | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual reservables teaching, testing, surgery, or experimentation were followed by this research facility.

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately the principal investigato 2) Each principal investigator has considered alternatives to painful procedures. Inis facility is agriering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and applications of the standards and regulations of the standards and regulations of the IACUC-approved exceptions, this summary in the standards and the IACUC approved exceptions, this summary in the IACUC approved exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions, this summary in the IACUC approved exceptions is attached to this annual report.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) James N. Seiber

DATE SIGNED

APHIS FORM 7023 **K**UG 91)

FAX NO. :510-559-5880

-ROM : USDA AG RES SUCE - ALBANY, CA THIS I SPULL IS 1944 TO CARRIE AND DESIGN AND TO BE SUBJECT TO PARABITIES AS DEVAIDED FOR IN Section 21.

UNITED STATES DEPARTMENT OF AGRICULTURE

ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. CERTIFICATE NUMBER: 93-F-0007 CUSTOMER NUMBER: 1201

additional information.

FORM APPROVED OMB NO. 0579-0035

Nov. 24 2004 12:46PM

Usda, Agricultural Research Service Western Regional Research Ctr 800 Buchanan Street Albany, CA 94710

Telephone: (510) -559-5600

3. REPORTING FACILITY (List All locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Allach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| ANNA SIS | ED BY OR UNDER CO | INTROL OF RESEARC | CH FACILITY (ARBEIT ACC. | S Number of animals upon which teaching, experiments. | F. |
|-------------------------------------------------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| B. Animals Covered By The Animal Welfere Regulations | | C. Number of samulate upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tosts were conducted involving accompanying pain or distress to the animals an for which appropriate energhatic, analgesic, or tranquilizing drugs were used. | secompanying pair to the terminal considerate, or tranquitz the use of appropriate amenitedle, analgetic, or tranquitz drugs would have adversely affected the procedures, read or interpretation of the teaching, respect, experiments, surgery, or tests. (An explanation of the procedures producing pain or dispress in these animals and the reads such drugs were not used must be strached to this report | (COLUMNS |
| | | O O | 0 | 0 | 0 |
| Dogs | 0 | 0 | 0 | 0 | 0 |
| 5. Cats | 0 | | 0 | 0 | 630 |
| 8. Guinea Pigs | . 0 | 0 | 0 | 0 | |
| 7. Hamsters | 0 | 630 | | 0 | 0 |
| 8. Rabbits | 0 | 0 | 0 | 0 | 0 |
| 8. Non-human Primates | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 |
| 10. Sheep | 0 | 0 | 0 | | |
| 11. Pigs | 1 0 | | | | |
| 12. Other Farm Animals | | | | | - |
| | | | | | |
| 13. Other Animals | | | | | |
| | | | | | |
| | | | | | |

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animats, including appropriate use of anisatetic, analgesic, and tranquilizing drugs, prior to, during, and following accusive resources to the standards governing the care, treatment, and use of animats, including appropriate use of anisatetic, analgesic, and tranquilizing drugs, prior to, during, and following accusive resources. teaching, testing, surgery, or experimentation were followed by this research (active.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Aut, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and applications and regulations and regulations under the standards and regulations to the standards and regulations the same than the standards and regulations and regulations under the summary in institutional Animal Care and the Committee (IACLIC). A summary of all such expensions to standards and regulations to the standards and regulations the IACLIC approved expensions this summary in The manifer is maniferally to the minimates and requirements under the ACI, and a new requirement restricted to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to overgee the adequacy of other sepects of enimal care and use.

| cility has appropriate authority to discuss the present RESEARCH FACILITY OFFICIAL | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| cellity has appropriate authority to discussion of the control of the celling of | |
| (Chief Executive Officer of Ex | (Type or Print) |
| NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL | • • |

James N. Seiber

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

SIGNATORE OF C.E.O. OR INSTITUTIONAL OFFICIAL

APHIS FORM 7023 (PG DU)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-F-0008 CUSTOMER NUMBER: 1202

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Naval Medical Ctr San Diego Division Of Animal Resource Ste 5, Div. Of Animal Resources 34800 Bob Wilson Drive San Diego, CA 92134

used in octual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary) REPORTING FACILITY (List all locations with

FACILITY LOCATIONS (Sites) - See Atached Listing

| | | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely effected the procedures, resor interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasc such drugs were not used must be attached to this report.) | F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
|----------------------|----|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| Dogs | | · | | | · |
| Cats | | | 10 | | 10 |
| Guinea Pigs | | | 14 | | 14 |
| Hamsters | | | | | 20 |
| Rabbits | 4 | 20 | | | 20 |
| Non-human Primates | | | | | |
| . Sheep | | | | | 88 |
| . Pigs | | | 88 | | - 00 |
| . Other Farm Animals | | | | | |
| 3. Other Animals | | | | | 168 |
| Chinchilla | 18 | | 98 | 70 | 100 |

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately appro Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

J.M. MATECZUN

Rear Admiral, Medical Corps, Commander

DATE SIGNED 2 NW0

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

" Agrangemo

This report is required by law (7 USC 2143). Failure to report according to the regulations can recult is an order to cease and desist and to be subject to penalties as provided for in Section 215 See attached form for additional information. Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-F-0018 CUSTOMER NUMBER: 1245

N

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Lawrence Livermore National Laboratory P.O. Box 808 - Ms 448, 364 Livermore, CA 94550

Telephone: (925) -422-4199

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| | | pain-relieving drugs. | tranquilizing drugs were used. | producing pain or distress in trees of the producing pain or distress in trees or district | |
|------------------------|---|--------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| 1. Dogs | | | | | |
| 5. Cats | | | | | |
| 6. Guinea Pigs | - | | 1 | | |
| 7. Hamsters | | | | | |
| 8. Rabbits | | | | | |
| 9. Non-human Primates | | | | | |
| 10. Sheep | | | 1 | | |
| 11. Pigs | | | IN | | |
| 12. Other Farm Animals | | | No | | - |
| 13. Other Animals | | | | | |
| | | 1 | | | |

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquillzing drugs, prior to, during, and following actual reservables to the control of the control ASSURANCE STATEMENTS teaching, testing, surgery, or experimentation were followed by this research facility.

 - 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately appro Inis tacinty is admenting to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and applications of the standards and the standards and regulations be specified and explained by the principal investigator and applications of the standards and the standards and regulations are standards and explained a
 - 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

| (| |
|----------------------------------------------|----------------------|
| | NAME & TITLE OF C.E. |
| IGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL | Waster |

O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

APHIS FORM 7023 (AUG 91)

2004

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-F-0022 CUSTOMER NUMBER: 1204

 $i_{(j)}$

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

60th Medical Group (Amc), Mdss/Sgse 101 Bodin Circle Travis Afb, CA 94535

Telephone: (707) -423-7349

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | All sheets if necessary or use APHIS Form 7023A 1 Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for whithe use of appropriate anesthetic, analgesic, or tranquilizings would have adversely affected the procedures, resor interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasc such drugs were not used must be attached to this report.) | F. TOTAL NUMBER OF ANIMALS (COLUMNS |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| 4., Dogs | | | | | |
| 5. Cats | | | | | |
| 6. Guinea Pigs | | | | | |
| 7. Hamsters | | | | | - 11 |
| 8. Rabbits | | | 11 | | |
| 9. Non-human Primates | | | | | |
| 10. Sheep | | | | | 20 |
| 11. Pigs | 10 | | 10 | | |
| 12. Other Farm Animals | | | | | 32 |
| CTOATS | | | 32 | | |
| 13. Other Animals | | | | | 8 |
| FERRETS | | | 8 | | |
| * . | | | | | |

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual reservables to the contract of the c ASSURANCE STATEMENTS teaching, testing, surgery, or experimentation were followed by this research facility.

 - 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and appropriate the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and appropriate the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations are standards. Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary interferomental properties of the exceptions are the exceptions. brief explanation of the exceptions, as well as the species and number of animals affected.
 - 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)
By ROM C. HEPBURN, COLONER, USER, INC., SEE COMMANDER

DATE SIGNED

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 93-R-0003 CUSTOMER NUMBER: 1183

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Sutter Institute For Medical Research 52nd And F Streets Sacramento, CA 95819

Telephone: (916) -733-1785

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

Laboratory location at main address noted above, but we maintain a large animal holding facility

FACILITY LOCATIONS (Sites) See Atlacted Listing FACILITY LOCATIONS (Sites) See

| | В. | Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. | Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | ט. | Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | | Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, resor interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasc such drugs were not used must be attached to this report | F. TOTAL NUMBE OF ANIMALS (COLUMN C + D + E |
|-----------------------|-----|------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| 1 | | | - | | + | 14 | | | 14 |
| Dogs | | | <u> </u> | | - | | + | | 5 |
| Cats | | | _ | | - | 5 | + | | N/A |
| Guinea Pigs | ! - | | | | 1 | N/A | + | | N/A |
| . Hamsters | 1 | | | | 1 | N/A | + | | N/A |
| . Rabbits | | | | = = = | | N/A | + | | N/A |
| . Non-human Primates | + | | 1 | | | N/A | + | | 64 |
|). Sheep | + | | 1 | | | 64 | + | | 35 |
| | + | | + | , | 1 | 35 | 1 | | N/A |
| 1. Pigs | + | | + | | + | N/A | | | IN/A |
| 2. Other Farm Animals | + | | + | | + | | T | | |
| 3. Other Animals | + | | + | | + | N/A | | | N/A |
| J. Other Administra | + | | 十 | | + | | | | |
| | + | | 十 | | + | | | | + |
| | | | 4 | | + | | + | | |

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual reserving tracking research for the control of the contr ASSURANCE STATEMENTS teaching, testing, surgery, or experimentation were followed by this research facility.

 - 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and appropriate the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and appropriate the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations are also as a standard of the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations are also as a standard of the Act, and it has required that exceptions to the standards are also as a standard of the Act, and it has required that exceptions to the standards are also as a standard of the Act, and it has required that exceptions to the standard of the Act, and the Act and the Inits latellity is admenting to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations de specified and explained by the principal investigator and appropriate institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and number of animals affected.
 - 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

John Mesic, MD, CMO, Vice President, IQS utter Health Sacramento Sierra Region

DATE SIGNED 10/1/04

APHIS FORM 7023 (AUG 91)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

001 14 2004

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. CERTIFICATE NUMBER: 93-R-0004 CUSTOMER NUMBER: 1190

FORM APPROVED OMB NO. 0579-0036

Stanford University 1215 Welch Road, Modular A Stanford, CA 94305-5401

Telephone: (650) -723-4650-

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which readming, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, rese or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report | F. TOTAL NUMBE OF ANIMALS (COLUMN C + D + E |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| 1. Dogs | 0 | 0 | 7 | 0 | 0 |
| 5. Cats | 0 | 0 | 0 | 0 | 75 |
| 6. Guinea Pigs | 0 | 2 | 73 | | 300 |
| 7. Hamsters | 0 | 0 | 300 | 0 | 201 |
| 8. Rabbits | 0 | 35 | 166 | 0 | 271 |
| 9. Non-human Primates | 0 | 0 | 271 | 0 | 69 |
| 10. Sheep | 0 | 0 - | 69 | 0 | 432 |
| 11. Pigs | 0 | . 2 | 430 | | |
| 12. Other Farm Animals | | | | 0 | 4 |
| Goats . | 0 . | 0 | 4 | | |
| 13. Other Animals | | · | 200 | 0 | 368 |
| Cerbils | 0 | 0 | 368 | 0 | 70 |
| Grand Squirrels | s 0 | . 0 | 70 | | |

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual rese ASSURANCE STATEMENTS teaching, testing, surgery, or experimentation were followed by this research facility.

 - 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and ap Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and number of animals affected.
 - 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) Arthur Bienerstock, Ph.D. Vice Provost & Dean of Research & Graduate Policy

11-24.01

DATE SIGNED

APHIS FORM 7023 (AUG 91)

| This report is required by law (7 USC 2143). Failure to report acc | audations can |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| 4.0% | ording to the regulation Section 21 |
| This report is required by law (7 USC 2143). Failure to report acc result in an order to cease and desist and to be subject to penalti- | as as provided for in Sec. |
| 17 USC 2143). To subject to penalt | ES 85 P |
| and is required by law desist and to be subject | CRICULTURE |
| This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is required by law (7 USO 22) This report is report in the report is report in the report is report in the report in | CTION SERVICE |
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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

See attached form for additional information.

Interagency Report Control No.:

FORM APPROVED OMB NO. 0579-0036

1. CERTIFICATE NUMBER: 93-R-0028 CUSTOMER NUMBER: 1181

California Institute Of Technology Mail Code 156-29 1200 E. California Blvd. Pasadena, CA 91125

Telephone: (626) -395-4957

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary) REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS Form 7023A) E. Number of animals upon which teaching, experiments, TOTAL NUMBER research, surgery or lesis were conducted involving accompanying pain or distress to the animals and for wh OF ANIMALS the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res (COLUMNS or interpretation of the teaching, research, experiments, B. Number of animal surgery, or tests were surgery, or tests. (An explanation of the procedures C+D+E) which teaching, producing pain or distress in these animals and the rea conducted involving being bred, such drugs were not used must be attached to this report accompanying pain or research. conditioned, or A. experiments, or distress to the animals an held for use in tests were teaching, testing, for which appropriate **Animals Covered** anesthetic, analgesic, or conducted experiments. By The Animal involving no pain. tranquilizing drugs were Welfare Regulations research, or distress, or use or surgery but not y€ pain-relieving used. used for such drugs. purposes. 4. Dogs 5. Cats 31 6. Guinea Pigs 7. Hamsters 23 8 8. Rabbits 6 9. Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and tollowing appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and tollowing appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and tollowing appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and tollowing appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and tollowing appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and tollowing appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and tollowing appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and tollowing appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and tranquilizing appropriate use of anestetic, analgesic, and tranquilizing appropriate use and tranquilizing appropriate use and appropriate u

- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal inverse facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations to identifying the IACUC-approved exceptions.

 Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal inverse facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations to identifying the IACUC-approved exceptions. In addition to identifying the IACUC approved exceptions are attached to this annual report. In addition to identifying the IACUC. A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions. ASSURANCE STATEMENTS Each principal investigator has considered alternatives to painful procedures. 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal of
 - (Chief Executive Officer or Legally Responsible Institutional Official)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

Dr. David Goodstein, Vice Provost

SIGNATURE OF C.E.Q. OR INSTITUTIONAL OFFICIAL

Interagency Report Control No.

FORM APPROVED

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0029 CUSTOMER NUMBER: 1180

OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT

Roche Palo Alto, L.L.C. 3431 Hillview Avenue Palo Alto, CA 94304

Telephone: (650) -855-5384

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| REPORT OF ANIMALS U | JSED BY OR UNDER C | ONTROL OF RESEAR | CH FACILITY (Attach additiona | sheets if necessary or use APHIS Form 7023A) | |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for whithe use of appropriate anesthetic, analgesic, or tranquilizings would have adversely affected the procedures, resor interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report. | F. TOTAL NUMBER OF ANIMALS (COLUMNS |
| 1. Dogs | 95 | 188 | 87 | 7 | <u> 282</u> |
| 5. Cats | 8 | | 30 | | 30 |
| 6. Guinea Pigs | 5 | 61 | 199 | 424 | 684 |
| 7. Hamsters | | | | | 325 |
| B. Rabbits | 4 | 188 | 47 | | 235 |
| 9. Non-human Primates | 160 | 251 | 17 | 20 | 288 |
| 0. Sheep | | | | | 1.6 |
| 1. Pigs | 21 | 3 | 63 | | 66 |
| 2. Other Farm Animals | | | | | |
| | | | | | |
| 13. Other Animals | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and app. Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and number of animals affected.

| brief explanation of the exceptions, as well as the specific state of the state of | hority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of an | imal care and use. |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|--------------------|
| CERTIFICATI | ON BY HEADQUARTERS RESEARCH FACILITY OFFICIAL cutive Officer or Legally Responsible Institutional Official) | |
| OCCUPATIONAL OFFICIAL | NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) | DATE SIGNED |
| SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL | Bob Stein, President + General Manager | 29 NOV 04 |
| | | |

APHIS FORM 7023 (AUG 91)

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0030 CUSTOMER NUMBER: 8229

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Childrens Hospital & Research Center At Oakland 747 52nd Street Oakland, CA 94609

Telephone: (510) -428-3461

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) -

5700 Martin Luther King Jr. Way Oakland, CA 94609

| | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such | C. | Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving | D. | which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were | E. | eets if necessary or use APHIS Form 7023A) Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, resor interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report | F. TOTAL NUMBER OF ANIMALS (COLUMNS |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| | purposes. | | drugs. | _ | used. | + | | 0 |
| . Dogs | | | | 1 | | + | · | .0 |
| 5. Cats | | | | \perp | | + | | 0 |
| 6. Guinea Pigs | | | | \perp | | + | | 0 |
| 7. Hamsters | | \mathbf{I} | | _ | | + | | 0 |
| 8. Rabbits | | | | \perp | | + | | .0 |
| 9. Non-human Primates | | | | \perp | | + | | 0 |
| 10. Sheep | | | | 1 | | + | | 0 |
| 11. Pigs | | | | _ | | + | | 0 |
| 12. Other Farm Animals | | | | | | \dashv | | 15 |
| | | | | | | _ | | 0 |
| 13. Other Animals | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research teaching, testing, surgery, or experimentation were followed by this research facility.

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately account to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards are the act of the This facility is aghering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the provided exceptions, this summary in Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in the exceptions are the exceptions and support of extraction of the exceptions.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

Alexander H. Lucas, Ph.D., Deputy Director

DATE SIGNED

APHIS FORM 7023 (AUG 91)



Interagency Report Control No.:

FORM APPROVED OMB NO. 0579-0036

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. CERTIFICATE NUMBER: 93-R-0032 1179 CUSTOMER NUMBER:

Cedars-Sinai Medical Center (Csmc) Burns & Allen Research Institute 8700 Beverly Blvd., Davis 7004 Los Angeles, CA 90048

Telephone: (310)-423-5000 (Main Med. Ctr. #) (310) 423-6784 (Comparative Medicine #)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| TOTAL OF ANIMALS US! | ED BY OR UNDER CO | ONTROL OF RESEARC | CH FACILITY TYME | F Number of animals upon which teaching, experiments | F. |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not y∉ used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon winton research, surgery or tests were conducted involving research, surgery or tests were conducted involving accompanying pain or distress to the animals and for where the use of appropriate anesthetic, analgesic, or tranquilized drugs would have adversely affected the procedures, resor interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reason such drugs were not used must be attached to this report | TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
| | | 57 | 51 | | |
| Dogs | | - | | | 30 |
| Cats | | 30 | | | |
| . Guinea Pigs | | 30 | | | 136 |
| . Hamsters | 1. | | 136 | | 130 |
| 3. Rabbits | | | 100 | | |
| 9. Non-human Primates | | | | | |
| 10. Sheep | | | | | 345 |
| | | | 345 | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| | | | | | |
| 13. Other Animals | | | | | |
| | | | | | |
| | | | | | |

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual resembles to the current of the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual resembles to the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual resembles to the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual resembles to the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual resembles to the care, treatment, and use of animals, including appropriate use of animals, including appropriate use of animals, and the care, treatment, and use of animals, including appropriate use of animals, and the care, treatment, and use of animals, including appropriate use of animals, and the care, treatment, and use of animals, including appropriate use of animals, and the care, treatment, and teaching, testing, surgery, or experimentation were followed by this research facility.
- Each principal investigator has considered alternatives to painful procedures.
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and appropriate the standards and regulations are standards and regulations and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and appropriate the standards and regulations are standards and regulations and regulations under the Act, and it has required that exceptions to the standards and regulations to identifying the IACLIC contributions the IACLIC contributio trins racinty is authering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and appropriate the following the lacuation of the standards and regulations of the standards and explained by the principal investigator and appropriate forms and the standards and the standards and explained by the principal investigator and appropriate forms and the standards and the standards and explained by the principal investigator and appropriate forms and the standards and explained by the principal investigator and appropriate forms and the standards and explained by the standards are standards and explained by the standards and explained by the standards are standards are standards.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OR INSTITUTE

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) Shilomo Melmed, M.D.

Vice President for Academic Affairs

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

D-Niws

DATE SIGNED

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0034 CUSTOMER NUMBER: 1178

See attached form for

additional information.

Interagency Report Control No.:

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

California Pacific Medical Center, Research Inst. 2200 Webster Street, Suit 514 San Francisco, CA 94115

Telephone: (415) -600-1184

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for whom the use of appropriate anesthetic, analgesic, or tranquilized drugs would have adversely affected the procedures, resor interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report.) |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| . Dogs | | | | |
| . Cats | | | | |
| S. Guinea Pigs | | | 63 | |
| 7. Hamsters | | | | |
| 8. Rabbits | | | | |
| 9. Non-human Primates | | | | |
| 10. Sheep | | | | |
| 11. Pigs | | | | |
| 12. Other Farm Animals | | | | |
| 13. Other Animals | | | | DT is not done |
| | | 10/01/03 | 09/30/04 R | esearch at CPMC RI is not done covered by the Animal Welfare |
| | | | Regulations | |

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to; during, and following actual research teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

C.E.O. OR INSTITUTIONAL OFFICIAL SIGNATURE OF

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

David R. Fielder, I.O and

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

(AUG,91)

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 93-R-0035

CUSTOMER NO. 1177

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, CALIFORNIA INSTITUTE FOR MEDICAL RESEARCH include Zip Code)

2260 CLOVE DRIVE SAN JOSE, CA 95128 (408) 998-4554

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional FACILITY LOCATIONS(sites) sheets if necessary.) See Attached Listing REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A) E. Number of animals upon which teaching, experiments, research, surgery or tests were TOTAL NO. C. Number of conducted involving accompanying pain or distress B. Number of which experiments OF ANIMALS to the animals and for which the use of appropriate animals upon animals being teaching, research. anesthetic, analgesic, or tranquilizing drugs would which teaching, surgery, or tests were conducted involving Animals Covered bred. (Cols. C + research, have adversely affected the procedures, results, or conditioned, or By The Animal experiments, or D + E) held for use in accompanying pain or interpretation of the teaching, research, Welfare Regulations experiments, surgery, or tests. (An explanation of tests were teaching, testing, distress to the animals conducted the procedures producing pain or distress in these and for which appropriate experiments, animals and the reasons such drugs were not used involving no research, or anesthetic, analgesic, or pain, distress, or surgery but not tranquilizing drugs were must be attached to this report) use of painyet used for such used. relieving drugs purposes. 4. Dogs 5. Cats Guinea Pigs Ø 7. Hamsters Ø 8. Rabbits 9. Non-Human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the this facility is agnering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In principle in identifiers the IACUC asserted executions this control of the Institutional Animal Care and Use Committee (IACUC). principal investigator and approved by the institutional rating care and use continued (IACOC). A summary of all the exceptions is attached to this armust report in addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other

| | addition to identifying the IACUC-approved exceptions, this sum | ate authority to ensure the provision of adequate veterinary care and to oversee the desperance and the desperance a | • |
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| | addition to the for this research facility has appropria | ate authority to ensure the provider | |
| | 4) The attending veternatian for this recommendation | N BY HEADQUARTERS RESEARCH FACILITY OFFICIAL | i i |
| | | | · · · · · · · · · · · · · · · · · · · |
| 1 | CERTIFICATIO | Officer or Legally Responsible Institutional Official) | |
| 1 | (Chief Execut | N BY HEADQUARTERS RESEARCH THE PROPERTY OF THE CONTROL OF THE CONT | ot) DATE SIGNED |
| | I certify that t | the above is true, correct, and complete (7 U.S.C. Section 2143) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print Control of the Control of | nı) |
| | OFFICIAL OFFICIAL | NAME & TITLE OF C.E.O. OR BOTTON | 1 , , 1 |
| | SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL | Parricia & DA | 7 11/30/04 |
| | SIGNATORIZ | Treeto | 11/30/0 |
| | 22 76 24 | Administration Directo | PART 1 - HEADQUARTERS |
| 4 | _ stancolf 3 2 (a) | TIOTIME | PARTITION |
| | Botrica & Barrett | 88), which is obsolete | |

APHIS FORM 7023 (AUG 91)

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0036 'n CUSTOMER NUMBER: 1176

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Huntington Medical Research Institute 734 Fairmount Avenue Pasadena, CA 91105

Telephone: (626) -397-5850

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| | | THE OF PESEAR | CH FACILITY (Attach addition | E. Number of animals upon which teaching, experiments, | |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report | F. TOTAL NUMBER OF ANIMALS (COLUMNS |
| 4. Dogs | | | | 0 | 26 |
| £. Cats | 25 | Ü | 26 | | |
| 6. Guinea Pigs | | | | · | |
| 7. Hamsters | | | | | |
| 8. Rabbits | | | | | |
| 9. Non-human Primates | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| | | | | | |
| 13. Other Animals | | | dv | | 98 |
| " Rat | 5 | | 98 | | |
| | | | | | |
| | | | | drugs prior to during | |

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered atternatives to painful procedures.
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately activated to the standards and regulations and regulations are standards are standards. Instituting is authenting to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and applications of the standards and the standards and regulations of the following the IACUC-approved exceptions, this summary interference that support the standards and the standards are considered to the standard and the standards are considered to the standard and the standards are considered to the standards the standards are brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) DATE SIGNED NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL p/ Execution

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

(AUG 91)

ANIMAL AND PLANT HEALTH INSPECTION SERVICE

Interagency Report Control No.:

1. CERTIFICATE NUMBER: 93-R-0041 CUSTOMER NUMBER: 1175

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Research Institute Palo Alto Medical Foundation Ames Bldg 795 El Camino Real Palo Alto, CA 94301

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | NTROL OF RESEARCE Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report. | F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| | | | 0 | 0 | 0 |
| . Dogs | 0 | 0 | 0 | 0 | .0 |
| 5. Cats | 0 | 0 | | 0 | 0 |
| 6. Guinea Pigs | 0 . | 0 | 0 | 0 | 0 |
| 7. Hamsters | 0 | 0 | 0 | 0 | 0 |
| 8. Rabbits | 0 | 0 | 0 | | 0 |
| 9. Non-human Primates | | 0 | 0 | 0 | 0 |
| 10. Sheep | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | |
| 11. Pigs | | 0 | 0 | 0 | 0 |
| 12. Other Farm Animals | 0 | | | | |
| 13. Other Animals | 0 | 0 | 0 | 0 | 0 |
| | | | · . | | |
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- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual resembles to the control of the care of the ASSURANCE STATEMENTS teaching, testing, surgery, or experimentation were followed by this research facility.
 - 2) Each principal investigator has considered alternatives to painful procedures.
 - 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximate the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximate the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximate the Act, and it has required that exceptions to the standards and regulations are specified and explained by the principal investigator and approximate the Act, and it has required that exceptions to the standards and regulations are specified and explained by the principal investigator and approximate the Act, and it has required that exceptions to the standards and regulations are specified and explained by the principal investigator and approximate the Act, and it has required that exceptions to the standards and regulations are specified and explained by the principal investigator and approximate the Act, and the Act and the This require is authentity to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations does specified and explained by the principal investigator and appropriate (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in the exceptions of the exceptions of the exceptions.
 - 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.F.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) David Druker, M.D., C.E.O.

APHIS FORM 7023

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0043 CUSTOMER NUMBER: 1196

FORM APPROVED OMB NO. 0579-0036

F.

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Memorial Health Services Research Administration 2801 Atlantic Avenue Long Beach, CA 90806

Telephone: (562) -490-3737

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

E. Number of animals upon which teaching, experiments,

FACILITY LOCATIONS (Sites) - See Atached Listing REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS Form 7023A)

| Animals Covered By The Animal Welfare Regulations | B. | Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | c. | Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. | Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | | research, surgery or tests were conducted involving accompanying pain or distress to the animals and for where the surgery of the surgery of the surgery of the surgery of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reask such drugs were not used must be attached to this report | TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
|---------------------------------------------------|----|------------------------------------------------------------------------------------------------------------------------------------------------------|----|----------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| Dogs | | | 1 | | +- | - K | | | |
| Cats | | | 1 | | + | | | | |
| . Guinea Pigs | | | 1 | | + | | 1 | | |
| . Hamsters | | | 1 | | + | | 1 | | |
| 3. Rabbits | | | _ | | + | | + | | - |
| 9. Non-human Primates | 3 | | _ | | + | | | | 1 |
| 10. Sheep | | | _ | | \dashv | | | | |
| 11. Pigs | | | | | | | | | F7 |
| 12. Other Farm Animals | 3 | | | | | 57 | | | 57 |
| GOATS | | | | | | 31 | | | - |
| 13. Other Animals | | | | | | | | | |
| | | | | | | | | | |
| | | | | - | | | | | |
| | | | | | | | | e of anestetic, analgesic, and tranquilizing drugs, prior to, duri | on and following actu- |

- 1) Professionally acceptable standards governing the teaching, testing, surgery, or experimentation were followed by this research facility.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and are investigator and an explain to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and are investigator and are investigator and are standards and regulations under the Act, and it has required that exceptions to the standards and regulations to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations to identifying the IACLIC. I his tacility is agnering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and as Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary is principally active exceptions. 2) Each principal investigator has considered alternatives to painful procedures.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) Dale Adams, Pharm.D, V.P. Medical Services

DATE SIGNE

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

(AUG 91) n nicoo

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0050/ CUSTOMER NUMBER:

FORM APPROVED OMB NO. 0579-0036

F.

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

University Of The Pacific 3601 Pacific Ave Stockton, CA 95211

Telephone: (209) -946-2561

E. Number of animals upon which teaching, experiments,

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS Form 7023A)

| Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not y∉ used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which techniques research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquility drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasc such drugs were not used must be attached to this report | TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
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| | being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. The purposes of the purpose of the pur | being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. Separation Paration Parati | being treet, conditioned, or held for use in teaching, research, experiments, research, or surgery but not ye used for such purposes. It is a learning, research, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. It is a learning, research, or surgery but not ye used for such purposes. It is a learning, research, or surgery, or tests were conducted involving pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. It is a learning, research, experiments, or tests were conducted involving pain or distress in these animals and the reast such drugs were not used must be attached to this report such drugs were not used must be attached to this report such drugs were not used must be attached to this report such drugs were not used must be attached to this report such drugs were not used must be attached to this report such drugs were not used must be attached to this report such drugs were not used must be attached to this report such drugs were not used must be attached to this report such drugs were not used must be attached to this report such drugs were not used must be attached to this report such drugs were not used must be attached to this report such drugs were not used must be attached to this report such drugs were not used must be attached to this report such drugs were not used must be attached to this report such drugs were not used must be attached to this report not necessary. |

- 2) Each principal investigator has considered alternatives to painful procedures.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) Philip N. Gilbertson, Ph.D.; Provost

DATE SIGNED

APHIS FORM 7023 (AUG 91)

SIGNATURE OF

Interagency Report Control No.: See attached form for FORM APPROVED additional information. OMB NO. 0579-0036 ort is required by law (7 USC 2143). Failure to report according to the regulations can N 1. CERTIFICATE NUMBER: 93-R-0053 on is required by law (7 USC 2743). Failure to report according to the regulations can an order to cease and desist and to be subject to penalties as provided for in Section 21st CUSTOMER NUMBER: 1172 UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE Pierce College 6201 Winnetka Avenue Woodland Hills, CA 91371 ANNUAL REPORT OF RESEARCH FACILITY Telephone: (818) -719-6463 REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary) REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS Form 7023A) E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh TOTAL NUMBER OF ANIMALS accompanying pain or distress to the animals and for with the use of appropriate anesthetic, analgesic, or tranquiliz the use of appropriate anesthetic, analgesic, or tranquilizer drugs would have adversely affected the procedures, res (COLUMNS drugs would have adversely allected the procedures, resorring research, experiments, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures C+D+E) surgery, or tests were surgery, or tests. Lan explanation of the procedures producing pain or distress in these animals and the reason which teaching, conducted involving producing pain or dishess in these annulars and the resort such drugs were not used must be attached to this report being bred, accompanying pain or conditioned, or research, experiments, or distress to the animals an A. held for use in teaching, testing, for which appropriate tests were Animals Covered anesthetic, analgesic, or experiments, conducted By The Animal involving no pain, tranquilizing drugs were Welfare Regulations distress, or use o research, or surgery but not ye pain-relieving used. used for such drugs. purposes. 0 4. Dog3 5. Cats 6. Guinea Pigs 7. Hamsters 8. Rabbits 9. Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals hamas 13. Other Animals Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following acle professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following acle professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following acle professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following appropriate use of animals, including appropriate use of animals, and the control of the control This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulation to identifying the IACUC-approved exceptions, this satisfies an addition to identifying the IACUC. A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC. A summary of all such exceptions is attached to this annual report. This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigate.

In addition to identifying the IACUC-approved exceptions, this substitutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this substitutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this substitutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this substitutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this substitutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC approved exceptions. Figures and propulative standards governing the care, treatment, and use or animal terms that the care, treatment and use or animal terms that the care, treatment and use or animal terms that the care, treatment and treatment and the care, treatment and the care, treatment and the care, treatment and trea ASSURANCE STATEMENTS 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care an advantage of the adequacy of other aspects of animal care and to oversee the adequacy of other aspects of animal care and to oversee the adequacy of other aspects of animal care and to oversee the adequacy of other aspects of animal care and to oversee the adequacy of other aspects of animal care and to oversee the adequacy of other aspects of animal care and to oversee the adequacy of other aspects of animal care and to oversee the adequacy of other aspects of animal care and to oversee the adequacy of other aspects of animal care and to oversee the adequacy of other aspects of animal care and to oversee the adequacy of other aspects of animal care and to oversee the adequacy of other aspects of animal care and to oversee the adequacy of other aspects of animal care and to oversee the adequacy of other aspects of animal care and to oversee the adequacy of other aspects of animal care and to oversee the adequacy of other aspects of animal care and to oversee the adequacy of other aspects of animal care and to oversee the adequacy of other aspects of animal care and the oversee that are also as a care and the oversee that are also as a care and the oversee that are also as a care and the oversee that are also as a care and the oversee that are also as a care and the oversee that are also as a care and the oversee that are also as a care and the oversee that are also as a care and the oversee that are also as a care and the oversee that are also as a care and the oversee that are also as a care and the oversee that are also as a care and the oversee that are also as a care and the oversee that are also as a care and the oversee that are also as a care and the oversee that are also as a care and the oversee that are also as a care also as a care and the oversee that are also as a care and the oversee that are also as a Each principal investigator has considered alternatives to painful procedures. NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

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(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

SIGNATURE OF C.E.O. OR INSTITUTION

APINS FORM 7023

homas Oliver - College President

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

See reverse side for additional information. Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

FORM APPROVED OMB NO. 0579-0036 1. REGISTRATION NO. 2. HEADOUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

| ANIMAL AND I | | | 1 | include Zip Code) | | e e e e e e e e e e e e e e e e e e e | | | |
|-------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------|----------------------------------------------------------------------------------------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------|--------------------------------------|
| | ADE OF PRINT | -) | | ivitional sheets if ne | cessary or | use this form.) ber of animals upon whic | h teaching. | T _F | |
| EPORT OF ANIMALS USED BY OR Animals Covered By The Animal | UNDER CONTROL OF B. Number of animals being bred, conditioned, or held for use in | RESEARCH FACILITY C Number of animals upon which teaching, research, experiments, or | 1each surge | er of animals upon experiments, ing, research, sry, or tests were ucted involving mpanying pain or | anes | ber of animals upon which priments, research, surger ducted involving accompa- ne animals and for which sthetic, analgesic, or tran- e adversely affected the prorelation of the teaching priments surgery, or tes- | the use of appropriate quilizing drugs would procedures, results, or | | TOTAL NO. OF ANIMAL: (Cols. C D + E) |

| Animals Covered By The Animal Welfare Regulations | B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes. | which teaching, research, experiments, or tests were conducted involving no pain, distress, or | Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and lor which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | Ssary or use this Johns. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report). | TOTAL NO. OF ANIMALS (Cols. C + D + E) |
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- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, leaching, testing, surgery, or experimentation were followed by this research facility. ASSURANCE STATEMENTS

 - 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions, as well as the species and number of animals affected. 2). Each principal investigator has considered alternatives to painful procedures.
 - 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

See attached form for additional information. Interagency Report Control No.:

1. CERTIFICATE NUMBER: 93-R-0056 CUSTOMER NUMBER: 1171

FORM APPROVED OMB NO. 0579-0036

Alza Corporation 1900 Charleston Road P.O. Box 7210 Mountain View, CA 94043

Telephone: (650) -564-2753

. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

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| | 0.00×0.00 | (outer | | sheets if necessary or use APHIS Form 7023A) E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for what the use of appropriate anesthetic, analgesic, or tranquilize the use of appropriate anesthetic, analgesic, or tranquilizers. | F. |
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ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual regressionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual regressionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual regressionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual reg
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and a summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary of all such exceptions is attached to this annual report. This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and a large standard in the standards and regulations be specified and explained by the principal investigator and a large standard in the standard in Each principal investigator has considered alternatives to painful procedures. 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use. DATE SIGN

(Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF CEO. OF INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

APHIS FORM 7023 (AUG 91)

(OCT 88), which is obsolete.)

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0064 CUSTOMER NUMBER: 1170

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Del Monte Quality 212 Terminal Way Terminal Island, CA 90731

Telephone: (310) -519-2864

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

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| | OF RESEARC | H FACILITY (Attach additiona | I sheets it necessary | F. |
| being bred, | animals upon which teaching, research, | teaching, research, surgery, or tests were | the use of appropriate and the procedures, residues would have adversely affected the procedures, restarting of the teaching, research, experiments, | TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
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- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual restanching testing surgery or experimentation were followed by this research facility ASSURANCE STATEMENTS

 - 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and a line standards and regulations under the Act, and it has required that exceptions to the standards and regulations to identifying the IACLICAL Assumption of all such exceptions is attached to this annual report. In addition to identifying the IACLICAL Assumption of all such exceptions is attached to this annual report. This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and a line in the standards and regulations be specified and explained by the principal investigator and a line in the standards and regulations be specified and explained by the principal investigator and a line in the standards and regulations be specified and explained by the principal investigator and a line in the standards and regulations be specified and explained by the principal investigator and a line in the standards and regulations be specified and explained by the principal investigator and a line in the standards and regulations be specified and explained by the principal investigator and a line in the standards and regulations be specified and explained by the principal investigator and a line in the standards and regulations be specified and explained by the principal investigator and a line in the standards and regulations be specified and explained by the principal investigator and a line in the standards and regulations be specified and explained by the principal investigator and a line in the standards and regulations be specified and explained by the standards and regulations are standard 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

| | brief explanation of the exceptions, as well as | The appropriate authority to ensure the provision of adequate | | |
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| | The attending veterinarian for this research factors | certification by Headquarters research Facility Official Certification By Headquarters research Facility Official Certification Officer or Legally Responsible Institutional Official) | | |
| , | 4) 1110-211 | CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY (Chief Executive Officer or Legally Responsible Institutional Official) | (Time or Print) | SIGN |
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APHIS FORM 7023 (AUG 91)

It in an order to cease and desist and to be subject to penalties as provided for in Section 21:

See attached form for additional information. Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

93-R-0066 1. CERTIFICATE NUMBER: CUSTOMER NUMBER:

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Salk Institute For Biological Studies 10010 N. Torrey Pines Road La Jolla, CA 92037

Telephone: (858) -453-4100

EPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| PORT OF ANIMALS U Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report | F. TOTAL NUMBER OF ANIMALS (COLUMNS |
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| Guinea Pigs | 18 | | | | |
| Hamsters | , | | 7.40 | | 140 |
| Rabbits | | | 140 | | 49 |
| Non-human Primates | 7 | | 49 | | |
| Sheep | | | | | |
| Pigs | | | | | |
| Other Farm Animals | | | | | |
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| . Other Animals | | | | | 260 |
| - | 12 | i . | 260 | | |
| Ferrets | | | · | | |
| | | | | | |

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual reservables to the care of the c ASSURANCE STATEMENTS teaching, testing, surgery, or experimentation were followed by this research facility.

 - 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and appropriate the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and appropriate the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act and the Act 2) Each principal investigator has considered alternatives to painful procedures. I his facility is admening to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and applications of the standards and regulations are standards and report. In addition to identifying the IACUC-approved exceptions, this summary in the standards and the condition of the standards and the standards are required that the standards are standards and the standards are required that the standards are required that the standards are required to the standards and report. In addition to identifying the IACUC-approved exceptions, this summary in the standards are required to the standards and report.
 - 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OR JUSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

Kim E. Witmer, Vice President and CFO

DATE SIGNED 11/10/04

s report is required by law (7 USC 2143). Failure to report according to the regulations can ult in an order to cease and desist and to be subject to penalties as provided for in Section 215

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

See attached form for additional information. Interagency Report Control No.:

1. CERTIFICATE NUMBER: 93-R-0067

CUSTOMER NUMBER:

FORM APPROVED OMB NO. 0579-0036

Allergan

P.O. Box 19534 Irvine, CA 92713

Telephone: (714) -246-4484

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if n

FACILITY LOCATIONS (Sites) - See Atached Listing

| Animals Covered By The Animal Velfare Regulations | BED BY OR UNDER C B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reason such drugs were not used must be attached to this report | TOTAL NUMBER OF ANIMALS (COLUMNS C+D+E) |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Dogs | | 8 | 5 | 7.7 | 39 |
| Cats | 31 | 39 | | | 99 |
| Guinea Pigs | 10 | 30 | 69 | | 369 |
| Hamsters | 1 | | 369 | 770 | 2080 |
| Rabbits | | 788 | 1062 | 230 | 178 |
| Non-human Primates | 14 | | 178 | | |
| Sheep | | | | | |
| . Pigs | | | | | |
| . Other Farm Animals | 3 | | | | _! |
| | | | | | |
| . Other Animals | | | | • | |
| | | | · · | | |
| | | | | | |

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual reservables teaching testing europe or experimentation was followed by this research facility. teaching, testing, surgery, or experimentation were followed by this research facility.
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and appropriate the standards and regulations are specified and explained by the principal investigator and appropriate the standards and regulations are specified and explained by the principal investigator and appropriate the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and appropriate the standards and regulations are specified and explained by the principal investigator and appropriate the standards and regulations are specified and explained by the principal investigator and appropriate the standards and regulations are specified and explained by the principal investigator and appropriate the standards and regulations are specified and explained by the principal investigator and appropriate the standards and regulations are specified and explained by the principal area. 2) Each principal investigator has considered alternatives to painful procedures. Inis racinity is aumening to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and appropriate (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions as well as the exceptions and supplies of explanation of the exceptions.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

Vice President, Drug Safety Evaluation SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

DATE SIGNED

(OCT 88), which is obsolete.)

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0074

CUSTOMER NUMBER: 1167

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Beckman Coulter, Inc. 200 S Kraemer Blvd. Brea, CA 92821

Telephone: (714) -993-5321

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| DEDORT OF ANIMALS I | ISED BY OR LINDER C | ONTROL OF RESEAR | CH FACILITY (Attach additiona | I sheets if necessary or use APHIS Form 7023A) | |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| A. Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report | F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
| 4. Dogs | | | · | | |
| 5. Cats | | | | | - |
| 6. Guinea Pigs | | , | | | |
| 7. Hamsters | | | | | 10 |
| 8. Rabbits | 2 | 10 | | * | 10 |
| 9. Non-human Primates | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | 219 |
| Goats | 33 | 159 | 60 | | 413 |
| 13. Other Animals | | | | | |
| | 1 | | | | |
| | | | | <u> </u> | |
| | | | | | |

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual reservances. teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately appro Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and number of animals affected.

| bner explanation of the exceptions, as well as a second | the acceptance of adequate veterinary care and to oversee the adequacy of other | aspects of animal care and use. |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------|
| The attending veterinarian for this research facility has appropriate authority to ensure the second s | re the provision of adequate voterment, | |
| CERTIFICATION BY HEA | ADQUARTERS RESEARCH FACILITY OFFICIAL | |
| (Chief Executive Office | er or Legally Responsible Institutional Official) | |
| | NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) | DATE SIGNED |
| SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL | Regina J. O'Meara | 10/19/20 |
| K W Mean | Director, Legislativr Affairs | (0//3/6) |
| Plant X / Correct to the in checilete | | |
| APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is obsolete.) | | |

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0089 CUSTOMER NUMBER: 1165

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

8401 Center Parkway Sacramento, CA 95823

Cosumnes River College

Telephone: (916) -688-7236

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| | T DY OR LINDER CO | NTROL OF RESEARC | H FACILITY (Attach additions | E. Number of animals upon which teaching, experiments, | F. |
|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| EPORT OF ANIMALS USE Animals Covered By The Animal Welfare Regulations | Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | al sheets if necessarv or use APHIS Form 7023A) E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for what the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, resor interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report | (COLUMN C+D+E |
| | | | 12 | | 9 |
| Dogs | | 2 | 7: | | 4 |
| 5. Cats | | 11 | | | 4 |
| 6. Guinea Pigs | | | | | 3 |
| 7. Hamsters | | 4 | | | |
| 8. Rabbits | | 3 | | | |
| 9. Non-human Primates | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | - |
| | | | | | |
| 13. Other Animals | | | - | | |
| 10. Oalor | | | | | |
| | | | | | |
| | | | | oriate use of anestetic, analgesic, and tranquilizing drugs, prior to, du | |

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual reserved teaching, testing surgery or experimentation were followed by this research facility teaching, testing, surgery, or experimentation were followed by this research facility.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and applications and regulations are required that exceptions to the standards and regulations be specified and explained by the principal investigator and applications are required that exceptions is attached to this annual report. In addition to identifiate the IACLICAL ASSIGNMENT OF ALL CLICAL ASSIGNMENT OF ASSIGNMENT OF ALL CLICAL ASSIGNMENT OF ASSI This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately approxim
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) DATE SIGNED NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

Francisco C. Rodriguez, President

10/20/0

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Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0082 CUSTOMER NUMBER: 1163

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Loyola Marymount University 1 L M U Drive Los Angeles, CA 90045

Telephone: (310) -338-2823

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| EPORT OF ANIMALS US Animals Covered By The Animal | being bred, conditioned, or held for use in teaching, testing, | animals upon which teaching, research, experiments, or tests were | teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for what the use of appropriate enesthetic, analgesic, or tranquilized rugs would have adversely affected the procedures, resor interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reason producing pain or distress in these animals and the reason that the procedures are not used must be attached to this report. | C+D+ |
|----------------------------------------------------|-------------------------------------------------------------------------|------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| Welfare Regulations | experiments, research, or surgery but not ye used for such purposes. | conducted involving no pain, distress, or use or pain-relieving drugs. | for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | producing pain or distress in these animals and the producing pain or distress in these animals and the producing pain or distress in these animals and the producing pain or distress in these animals and the producing pain or distress in these animals and the producing pain or distress in these animals and the producing pain or distress in these animals and the producing pain or distress in these animals and the producing pain or distress in these animals and the producing pain or distress in these animals and the producing pain or distress in these animals and the producing pain or distress. | 0 |
| Dogs | | | | | 0 |
| 5. Cats | | | | | 0.0 |
| 6. Guinea Pigs | | - | | | 0 |
| 7. Hamsters | | | | | 0 |
| 8. Rabbits | | T | his is a negat | ive report. | 0 |
| 9. Non-human Primates | 3 | | | | 0 |
| 10. Sheep | | | | | 0 |
| 11. Pigs | | | | | |
| 12. Other Farm Animal | S | | | | |
| 13. Other Animals | | | | | |
| | | | | | |
| | | | | riate use of anestetic, analgesic, and tranquilizing drugs, prior to, c | |

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actu-ASSURANCE STATEMENTS teaching, testing, surgery, or experimentation were followed by this research facility.

 - 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator; Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this sumitable brief explanation of the exceptions as well as the species and number of animals affected.
 - 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and u

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) Albert P. Koppes, O. Carm.

APHIŠ FORM 7023 Ard Nood

Interagency Report Control No.:

ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 93-R-0084 CUSTOMER NUMBER: 1162

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Pomona College 550 N. College Ave. Claremont, CA 91711

Telephone: (909) -621-8328

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| EPORT OF ANIMALS I Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | animals upon which teaching, research, experiments, or tests were conducted | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilized drugs would have adversely affected the procedures, reconstructed or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reas such drugs were not used must be attached to this repo | (COLUMN |
|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| Dogs | | | | | |
| Cats | | | | | |
| . Guinea Pigs | | | | | |
| . Hamsters | | | | | |
| 3. Rabbits | | | | | |
| 9. Non-human Primate | S | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animal | 3 | | | | |
| 13. Other Animals | | | 160 | | 150 |
| EATS (RATIOS | NORVEGIOUS) |) | 150 | 3 | |

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual reserved treatment to the control of the con ASSURANCE STATEMENTS teaching, testing, surgery, or experimentation were followed by this research facility.

 - 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and appropriate the language of the control of the standards and regulations and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and appropriate the language of the langu Inis racintly is acmening to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and appropriate (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and number of animals affected.
 - 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) Cecilia Conrad, Associate Dean

DATE SIGNED 10/1/04

APHIS FORM 7023

SIGNATURE OF E.O. OR INSTITUTIONAL OFFICIAL

sulia a. Lomac (Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

See attached form for additional information. Interagency Report Control No.:

1. CERTIFICATE NUMBER: 93-R-0088 CUSTOMER NUMBER: 1161

FORM APPROVED OMB NO. 0579-0036

University Of La Verne Biology Department, Room 250 1950 Third Street La Verne, CA 91750

Telephone: (909) -593-3511

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| PORT OF ANIMALS US | 3 Number of animal | animals upon | which expeniiterits, | E. Number of animals upon which le research, surgery or tests were concompanying pain or distress to the use of appropriate anesthetic. | tin or tranquiliz | OTAL NUMBE OF ANIMALS |
|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|--------------------------|
| Animals Covered By The Animal Welfare Regulations | being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not ye used for such purposes. | animas various animas various research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | the use of appropriate anesthetic drugs would have adversely affer or interpretation of the teaching, surgery, or tests. (An explanatic producing pain or distress in the such drugs were not used must | research, experiments, on of the procedures | COLUMN C+D+E |
| Dogs | | | - | | | |
| Cats | | | | : | | |
| Guinea Pigs | | 1 | | | | |
| Hamsters | | | - | | | |
| . Rabbits | | 1 | | | | |
| . Non-human Primates | | | | | | |
| 0. Sheep | | | | | `. | |
| 1. Pigs | | | | | | |
| 2. Other Farm Animals | | | | | | |
| | | | | | | |
| 13. Other Animals | | | | | | 34 |
| Nonregulate | d Animals: | | 10 | 2 | | 28 |
| Rats | 20 | 24 | | | | 20 |
| Mice | 112 | 28 | | nate use of anestetic, analgesic, and trans | | |

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analysis teaching, testing, surgery, or experimentation were followed by this research facility.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and a linear standards and regulations are standards and regulations be specified and explained by the principal investigator and a linear standards and regulations be specified and explained by the principal investigator and a linear standards and regulations to the standards and regulations to the standards and regulations to the principal investigator and a linear standards and regulations are standards and regulations and regulations under the Act, and it has required that exceptions to the standards and regulations to identifying the IACLICAL appropriate and a standards and regulations are standards and regulations and regulations under the Act, and it has required that exceptions to the standards and regulations the IACLICAL appropriate and a standards are standards and regulations and regulations under the Act, and it has required that exceptions to the standards and regulations to identifying the IACLICAL appropriate and the standards are standards and regulations are standards are standards and regulations are standards are standards are standards are standards are standards. Into launty is aumening to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations de specified and explained by the principal investigator and a standard and explained by the factor of the exceptions as well as the energies and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

| h facility has appropriate datas. | PER DESEARCH FACILITY OFFICIAL |
|-----------------------------------|-----------------------------------------------------------------------------------|
| CERTIFICATION BY HEADQU | JARTERS RESEARCH FACILITY OFFICIAL Legally Responsible Institutional Official) |
| Chief Executive Officer or | _egally Responsible in the |
| (0 | - TIONAL OFFI |

DATE SIGNI

SIGNATURE OF CE.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

9/30/0

APHIS FORM 7023

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

93-R-0099/ 1. CERTIFICATE NUMBER: 1164 CUSTOMER NUMBER:

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Drew University Of Medicine & Science 1731 East 120th Street Los Angeles, CA 90059

Telephone: (323) -563-5986

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| EPORT OF ANIMALS U. | ISED BY OR UNDER CC | ONTROL OF RESEAR | D. Number of animals upon | F. Number of animals upon which teaching, experiments, | F. |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | research, surgery or tests were conducted university accompanying pain or distress to the animals and for when the use of appropriate anesthetic, analgesic, or tranquilized rugs would have adversely affected the procedures, resor interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasc such drugs were not used must be attached to this report | TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
| . Dogs | | - | · | | - |
| 5. Cats | | | | | |
| 6. Guinea Pigs | | - | - | | · |
| 7. Hamsters | | | | | |
| 8. Rabbits | | <u> </u> | | | |
| 9. Non-human Primates | 5 | | | | |
| 10. Sheep | | · · | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | 3 | - | | | |
| | | <u> </u> | | | |
| 13. Other Animals | | | - : | | |
| Mice | | 8000 | | | |
| Rats | | 200 | | | |

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual resembles testing surgery or experimentation were followed by this research facility teaching, testing, surgery, or experimentation were followed by this research facility.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and applicable in the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and applicable in the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and applicable in the standards and regulations under the Act, and it has required that exceptions to the standards and regulations to identify the IACLIC approach as the IACLIC Inits lacility is aunening to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and applications and applications of the standards and regulations of the standards and regulations of the standards and regulations of the standards and explained and explained by the facility of the standards and regulations are standards and regulations of the standards and regulations are standards are standards.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

| | brief explanation of the exceptions, as well as the species and the species are species are species and the species are species and the species are species and the species are species are species are species and the species are species are specie | the provision of adequate veterinary care and to oversee the design | |
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| | facility has appropriate authority to ensu | are the provision of the control of | |
| 4١ | The attending veterinarian for this research facility has opposed | A BOLLARTERS RESEARCH FACILITY OFFICIAL | |
| -7 | CERTIFICATION BY HE | EADQUARTERS RESEARCH FACILITY OFFICIAL per or Legally Responsible Institutional Official) | |
| | Chief Executive Office | er or Legally Responsible institution | 21212 |
| | (Cille) Excount | (Tager Print) | DATE SIGNED |
| | | NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) | l . |
| | | Harry E. Douglas III, DPA | 9-27-04 |
| | NATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL | Harry E. Douglas III, BA Executive Vice President/Interim President | 9-27-04 |
| SIG | NATURE OF C.E.O. STATE | Evocutive Vice President/Interim Fresident | |
| 1 | Valle (ours, Ill | EXECUTIVE | |
| ĺ | laune (oceas, III) | | |
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| APH | IS FORM 7023 / (Replaces VS FORM 10-25) | $\mathcal{U}_{i,j}$ | 2004 |
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(AÚG 91) ANDICOS

See attached form for

Interagency Report Cont

This report is required by tear (7 LISC 2149). Follows to report according to the requisitors can result in an order to close and desixt and to be subject to parallels as provided for in Section 21.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. CHATTERLESSEE 93-R-0117 CUSTOMER NUMBER: 1157

FORM APPROVED CARS NO. 0576-0096

Mount San Antonio College 1100 N. Grand Avenue Walnut, CA 91789

Telephone: (909) -594-5611

3. NEW CRYSING FACELITY (Use an incontains where primate were housed or used in order) resource, wasters, or experimentation, or hald for these purposess. Affects sudditional phones if recoverary)

| | TO INDES CI | INTROL OF RESEARCE | H FACILITY (Atlach addition | E. Number of mentals upon which teaching. Amperiments, research, surgery or tests were conducted broking accompanying pain or determs to the artimate and for white the tell of appropriate americals, amperior the tell of appropriate americals, americals, or tempolities, research, affective the procedures, res | TOTAL NUMBER |
|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| PORT OF ANDIALS US Animale Covered By The Assembly Western Regulations | Number of serimel being bred. Completonel, or based for use in searching, seeing, separatively, company but not ye used for such purposes. | C. Number of enhance upon vector sections, research, research, properties on the conducted brothing no pain, distress, or use a gain-relies of distress. | D. Number of animal open- which experience, section, restorch, surgery, or tests with conducted involving accordinglying pain or derivate to the enimals or for which appropriate unificalizing drugs value used. | E. Planthet of architele agent years conducted brothers; research, surjeary or tests years conducted brothers; present of the arthress and for whe present of the properties of the same of appropriate directives, architecture, or interpretation of the testing, research, experiments, or interpretation of the testing, research, experiments, or interpretation of the testing, research experiments, properties, or interpretation of the testing protecting parts or devices in these artificials and the second such chains were not used must, be attached to this reposition. | (COLUMNS G+D+E) |
| | | 95 | | | + |
| Dogs Cuits | | 6 | | | |
| B. Guinea Pige | | 1 | - | | |
| 7. Harnsters | | | | | |
| 8. Rubbits | | | | | |
| 9. Non-human Primeter | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animal | • | - | | | |
| | | _ | | | |
| 13. Other Animals | | | | | |
| | | | | | |
| | | | | reprise use of anestatic, analysistic, and transplicing drugs, prior | o, during, and following |

- 1) Protectionally societable standards governing the care, trestment, and use of missels, including appropriate use of anastratic, analysis of strength of the care, trestment and use of missels, including appropriate use of anastratic, analysis of the strength of the care of the ca ASSURANCE STATEMENTS
 - 3) This further in the elevation will regulations until the required that exceptions to the standards and regulations be exceptions for applications and regulations until the summary in the standards and regulations and regulations until the summary in all such descriptions is altered to the ensural report. In edition to identifying the IACUIC-approved exceptions, this summary in all earth exceptions is altered to the ensural report. In edition to identifying the IACUIC-approved exceptions, this summary of all earth exceptions is of the exceptions.
 This further explanation of the exceptions, the self as the exacts and number of animals affected.
 - 4) The attenting votestravies for this research facility has appropriate extractly to present the provision of adequate votestnery care and to oversee the extension of other aspects of attent aspects of attention of adequate votestners are to oversee the extension of other aspects of attention of adequate votestners are to oversee the extension of adequate votestners are to oversee the extension of attention of a standard oversee. DATE SIGNED

(Chief Enactive Officer or Legally Responsible traffurional Official)

SIGNATURE PO C.E.O. OR INSTITUTIONAL OFFICIAL

Associate Dem

HAME & TITLE OF CLEO. OR INSTITUTIONAL OFFICIAL, (Type or Print) 142/04 Deburah Boroch Natural Sciences

(AUG 91)

SUNUCL (Replaces VS FORM 18-25 (OCT Sa), estada la obsoluta.)

DEC - 9 2004



Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0121 CUSTOMER NUMBER:

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Edwards Lifesciences, L.L.C. One Edwards Way Irvine, CA 92614

Telephone: (949) -250-3508

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| PORT OF ANIMALS US Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for whithe use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, resor interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasc such drugs were not used must be attached to this report | |
|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| | | drugs. | | | 0 |
| Dogs | 0 | | | | 0 |
| Cats | 0 | | 0 | 0 | 1223 |
| Guinea Pigs | 2 | 1223 | U | | 0 |
| . Hamsters | 0 | | 0.11 | 0 | 520 |
| Rabbits | 30 | 279 | 241 | | 0 |
| | 0 | | | 0 | 79 |
|). Non-human Primates | 5 | 0 | 79 | | 123 |
| 0. Sheep | 2 | | 123 | 0 | 0 |
| 1. Pigs | | 0 | | | |
| 12. Other Farm Animals | 0 | | | | |
| 13. Other Animals | | | | | |
| | | | | : | |
| | - | | | | |

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual reservables testing surgery or experimentation were followed by this research facility. ASSURANCE STATEMENTS teaching, testing, surgery, or experimentation were followed by this research facility.

 - This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately approxim 2) Each principal investigator has considered alternatives to painful procedures. This lacinty is aumening to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explanated by the principal investigator and applications are all the standards and regulations be specified and explanated by the principal investigator and applications are all the standards and regulations be specified and explanated by the principal investigator and applications are all explanations and explanations are presented and as a presented and explanation are presented as a presented a
 - 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) Patricia Garvey, Ph.D.

DATE SIGNED 11-01-04

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

Corporate Vice President, Reg., Quality and

aKUCCA T APHIS FORM 7023

93-R-0124

Interagency Report Control No.:

OMB NO. 0579-0036

FORM APPROVED

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

San Diego Mesa College Animal Health Technology 7250 Mesa College Drive San Diego, CA 92111

CUSTOMER NUMBER: 1153

1. CERTIFICATE NUMBER:

Telephone: (619) -388-2838

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| | TOTAL OF LINDER C | ONTROL OF RESEARC | CH FACILITY (Attach additiona | I sheets if necessary or use APHIS Form 7023A) | |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| A. Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests well conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, resor interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report | F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
| 4. Dogs | | 64 | 65 | | 129 |
| 5. Cats | | 22 | 24 | | 46 |
| 6. Guinea Pigs | | | | | |
| 7. Hamsters | | | | | |
| 8. Rabbits | | | 6 | | 6 |
| 9. Non-human Primates | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| Horse | | 1 | | | 1 |
| 13. Other Animals | | | | | 1 |
| BObcat | | 11 | | | 1 |
| Coatimund | 11 | 1 1 | | | |
| | | | | | |

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research teaching, testing, surgery, or experimentation were followed by this research facility.
- Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximate the standards and regulations are considered to the standards are considered to the standards are considered to the standards and regulations are considered to the standards are considered to the standard to the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and number of animals affected.

| brief explanation of the exceptions, as well as the spools and | thority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects | of animal care and use. |
|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-------------------------|
| OFFICIENT | ION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL cutive Officer or Legally Responsible Institutional Official) | |
| SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL | NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) Judith Pautle: Dean | DATE SIGNED |
| (Renlaces VS FORM 18-23 (OCT 88), which is | obsolete.) | / |

See reverse side for additional information. Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

FORM APPROVED OMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

include Zip Code) San Diego Mesa College Animal Health Technology

7250 Mesa College Dr San Diego, CA 92111

| Animals Covered By The Animal Welfare Regulations | B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such | animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain- | which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report). | TOTAL NO. OF ANIMALS (Cols. C + D + E) |
|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| 12. &/OR 13. Other (List by species) | purposes. | relieving drugs. | used. | | 44 |
| Goat | | 4 | | | 1-1- |
| Llama | | | | | 1 |
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- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching testing surgery or experimentation were followed by this research facilities. ASSURANCE STATEMENTS and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

 - 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and expressed by the institutional Asimal Care and the Committee (ACLIC). A summer of all such exceptions is attached to this acquait report. 2). Each principal investigator has considered alternatives to painful procedures. This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
 - 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

JUDITH PAUTLER, DEAN

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 93-R-0126

CUSTOMER NO. 1152

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) THE CLAREMONT COLLEGES 150 E. 10TH STREET CLAREMONT, CA 91711 (909) 621-8298

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional FACILITY LOCATIONS(sites) sheets if necessary.)

Joint Science Dept, 925 N. Mills Ave

| CA 917 CORT OF ANIMALS USED BY OF Animals Covered By The Animal Welfare Regulations | R UNDER CONTROL OF B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes. | RESEARCH FACILITY (C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs. | Attach additional sheets it necess D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report) | TOTAL NO. OF ANIMALS (Cots.C+ D+E) |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| | 0 | | | | 0 |
| Dogs | | | | | 0 |
| Cats | 0 | | | | |
| 6. Guinea Pigs | 0 | | | | 0 |
| 7. Hamsters | 0 | | - | | 0 |
| 8. Rabbits | 0 | | | | 0 |
| Non-Human Primates | 0 | | | | 0 |
| | 0 | | | | 0 |
| 10. Sheep | 0 | | | | 0 |
| 11. Pigs | 0 | | | | |
| 12. Other Farm Animals | | | | | 0 |
| | 0 | | | | |
| 13. Other Animals | 0 | <u> </u> | - | | |
| | | | | | |
| | | | | | |

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching testing surgest or experimentation uses followed by this research footible. ASSURANCE STATEMENTS and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

 - 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACLIC-anomized exceptions: this summary includes a brief explanation of the exceptions as well as the species and number of animals affected. principal investigator and approved by the institutional Attitual Care and use Contribute (MCCC). A summary of all the exceptions, as well as the species and number of animals affected, addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
 - 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

| | TACH ITY OFFICIAL |
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| | CHARTEDS RESEARCH FACILITY OF 10 |
| | TION BY HEADQUARTERS RECEIVED IN the sel official) |
| CERT | IFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL ef Executive Officer or Legally Responsible Institutional official) ef Executive Officer or Legally Responsible Institutional official) |
| 0 | Officer or Legally Responsible 112 2143) |
| (Chi | of Executive Unice of 25 acmolete (7 U.S.C. Section 2145) |
| (0::: | State correct and complete (1 other |

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

Alan Jones, Dean of Faculty, Pitzer College

PART 1 - HEADQUARTER:

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (Oct 88), which is obsolete

NOV 2 9 2004)

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 93-R-0131

CUSTOMER NO. 1150

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) UNIVERSITY OF SAN DIEGO 5998 ALCALA PARK SAN DIEGO, CA 92110

| | 1 |
|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3. REPORTING FACILITY (List all locations where animals were housed or used in actual research | h testing, teaching, or experimentation, or held for these purposes. Attach additional |
| A REPORTING FACILITY (List all locations where animals were housed or used in actual research | n, tooning |
| sheets if necessary.) FACILITY LOC | CATIONS(sites) |
| UNIVERSITY OF SAN DIEGO SAN DIEGO, CA 92110 | |
| | ADJUC FORM 7023A |
| REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach add | ditional sheets if necessary or use APHIS FORM which teaching, er of animals upon E. Number of animals upon which teaching, er of animals upon which teaching, TOTAL NO. |

| Animals Covered By The Animal Welfare Regulations | OR UNDER CONTROL OF B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report) | TOTAL NO. OF ANIMALS (Cols. C + D + E) |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| Dogs | | | | | |
| . Cats | | | | | |
| i. Guinea Pigs | | | | | |
| 7. Hamsters | | | | | |
| 8. Rabbits | | | | | |
| 9. Non-Human Primates | | | - | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| 13. Other Animals | | | | | 62 |
| | | 62 | | | 236 |
| Rats Fish | 15 | 56 | 180 | | 36 |
| 1 1011 | | 36 | | | |

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the I his facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained that exceptions to the standards and regulations be specified and explained that it has required that exceptions is attached to this annual report. In principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC).
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other asserts of primal accounts.

| The attending veterinarian for this research facility has appropriate addi- aspects of animal care and use. | DESEARCH FACILITY OFFICIAL | |
|-------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------|
| CERTIFICATION BY | HEADQUARTERS RESEARCH fficer or Legally Responsible Institutional official) fficer or Legally Responsible (7 U.S.C. Section 2143) | |
| I certify that the abo | ove is true, correct, and complete (7 U.S.C. Section 2143) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) | DATE SIGNED |
| SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL | NAME & TITLE OF S.E.S. STARRE | 11/25/2004 |
| Patrick Drinan, PhD | Dean PART 1 - H | EADQUARTERS |

UNITED STATES DEPARTMENT OF AGRICULTURE

ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 93-R-0136 CUSTOMER NUMBER: 1149

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Foothill College Veterinary Technology Program 12345 El Monte Road Los Altos Hills, CA 94022

Telephone: (650) -949-7203

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| Animals Covered By The Animal Welfare Regulations Animals Covered By The Animal Regulations Animals Covered By The Animals and for which surgery, or tests were conducted involving an opain, distress to the animals and for which surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report used. COLUMNS C + D + E) Animals Covered By The Leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which accompanying pain or distress to the animals and for which accompanying pain or distress to the animals and for which accompanying pain or distress to the animals and for which appropriate anesthed, analysis accompanying pain or distress to the animals and for which appropriate anesthed, analysis accompanying pain or distress to the animals and for which appropriate anesthed, analysis accompanying pain or distress to the animals and for which appropriate anesthed, analysis and the use of interest to the supplied to the use of partic | DEDORT OF ANIMALS I | ISED BY OR UNDER C | ONTROL OF RESEARC | CH FACILITY (Attach additional | sheets if necessary or use APHIS Form 7023A) | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| 5. Cats 4 5. Guinea Pigs 7. Hamsters 8. Rabbits 9. Non-human Primates 9. Non-human Primates 11. Pigs 12. Other Farm Animals 2. | A. Animals Covered By The Animal | B. Number of animal being bred, conditioned, or held for use in teaching, esting, experiments, research, or surgery but not ye used for such | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast | TOTAL NUMBER OF ANIMALS (COLUMNS |
| 5. Cats 4 6. Guinea Pigs 7. Hamsters 8. Rabbits 9. Non-human Primates 9. Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 2. | 4. Dogs | 4 | 1 | | | |
| 7. Hamsters 8. Rabbits 9. Non-human Primates 10. Sheep 11. Pigs 12. Other Farm Agimals 12. Other Farm Agimals | 5. Cats | 4 | | | | |
| 8. Rabbits | 6. Guinea Pigs | 0 | | | | |
| 9. Non-human Primates 5 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | 7. Hamsters | 5 | / | | | |
| 10. Sheep 11. Pigs 12. Other Farm Animals 12. Other Farm Animals 13. Other Farm Animals | 8. Rabbits | 0 | 44 | 1/ | ,1 | |
| 11. Pigs 12. Other Farm Animals (COPTS) 2 | 9. Non-human Primates | ↔ | \$ | <i>\$</i> / | 4/ | |
| 12. Other Farm Animals 2 | I0. Sheep | l | | \$/ | 3"/ | |
| (Gers(3) — / / / / / / / / / / / / / / / / / / | I1. Pigs | 0 | | // | -/ | |
| (Gers(3) — / / / / / / / / / / / / / / / / / / | 12. Other Farm Animals | 2 | | | | |
| 13. Other Animals | (Cents) | <u></u> | | | | |
| | 13. Other Animals | Ð | | | | |
| | | | 1/ | | | |
| | | | 1/ | | | |
| | | | | 1 | 1 | |

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately appro Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

> (D/V

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

K.m-Peter, own - program Director

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)



This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 93-R-0145

CUSTOMER NO. 1159

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, NAMSA (N. AMERICAN SCIENCE) include Zip Code)

9 MORGAN **IRVINE, CA 92618**

| (11 | PE OK PRINT) | | · · | Little | 1 |
|----------------------------------|-------------------------------------------------|----------------------------------|-------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| | | | | ar experimentation, or held for these purposes. Attach additional | |
| | | es housed or used in actua | I research, testing, teaching | , or experimentation, or held for these purposes. Attach additiona | |
| FRONTING FACILITY (List all loca | tions where animals we | re noused or accom | (attech | | |
| neets if necessary.) | | FACI | LITY LOCATIONS(sites) | | |
| | | | | | |
| MSA (N. AMERICAN SCIENCE | Ξ) | | | | |
| INE, CA 92618 | | | | | |
| | | | | | |
| | | | t Wissel sheets if ne | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress conducted involving surplies the use of appropriate | |
| | CONTROL OF | RESEARCH FACILITY (A | Attach additional sheets in the | E. Number of animals upon which teaching. experiments, research, surgery or tests were experiments, research, surgery pain or distress | TOTAL NO. |
| PORT OF ANIMALS USED BY OR | UNDER CONTINGE | C. Number of | Number of animals upon which experiments, | experiments, research, surgery or tests were experiments, research, surgery or tests were conducted involving accompanying pain or distress conducted involving accompanying pain or distress conducted involving accompanying pain or distress conducted involving accompanying painting and propriets. | OF ANIMALS |
| | Number of animals being | animals upon which teaching, | tooching research, | to the animals and for Willer the day of would | |
| Animals Covered | bred. | research. | surgery, or tests were conducted involving | anesthetic, analyesic, of the procedures, results, or | (Cols. C + D + E) |
| ov The Animal | conditioned, or held for use in | experiments, or | mpanying palli ui | have adversely affected the processor interpretation of the teaching, research, interpretation of the teaching, research, (An explanation of | 0.2 |
| Welfare Regulations | teaching, testing, | tests were conducted | in trace to the animals | evneriments, surgery, or the second in these | |
| · | experiments, | involving no | and for which appropria anesthetic, analgesic, (| or the procedures procedures such drugs were not used | |
| | research, or surgery but not | pain, distress, or | tranquilizing drugs wer | e animals and the reasons must be attached to this report) | |
| | yet used for such | use of pain- relieving drugs. | used. | | |
| | purposes. | | | | |
| | | _ | | | |
| 4 Dogs | | | | | |
| | | | | | 709 |
| 5. Cats | | | | | |
| | 82 | 709 | | | |
| 6. Guinea Pigs | | | | | 2648 |
| = llemeters | | | | | 1 |
| 7. Hamsters | | 2352 | 296 | | |
| 8. Rabbits | 356 | | | | |
| | | | | | 1 |
| 9. Non-Human Primates | | _ | | | |
| | | · | | | |
| 10. Sheep | | | | | |
| | | | | | |
| 11. Pigs | - | | | | |
| 12. Other Farm Animals | | | | | |
| 12. Other Faill Allindia | | | | | |
| | | | | | - |
| | | | | | |
| 13. Other Animals | | | | | |
| | | | | | |
| | | | | 3 | 1 |
| | | | | | |
| | | | | | |

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC) as well as the species and number of animals affected, addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other

| | principal investigation and open addition to identifying the IACUC-approved exceptions, this summary addition to identifying the IACUC-approved exceptions, this summary that the attending veterinarian for this research facility has appropriate authorized of animal care and use. | and to ensure the provision of adequate veterinary care and to | |
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| | addition to identifying and for this research facility has appropriate auth | only to ensure and | |
| 4 | The attending veternanan for this received | TOWARTERS RESEARCH FACILITY OFFICIAL | |
| | aspects of animal and a spectrum and | HEADQUARTER Institutional Official | |
| | CERTIFICATION O | ove is true, correct, and complete (7 U.S.C. Section 2143) | DATE SIGNED |
| | (Chief Executive ab | ove is true, correct, and complete (7 U.S.C. Section 2145) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) | |
| | | TNAME & TITLE OF C.E.O. OR INSTITUTION | 11/19/2004 |
| L_ | OF OF O. OR INSTITUTIONAL OFFICIAL | Manager | |
| SIG | NATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL | IO: Gina M. Skolmowski, Operations Manager | TIPOUADTERS |
| l | | PART 1 - I | HEADQUARTERS |
| Gin | a M. Skolmowski | | |
| 1 | | hich is obsolete | |

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UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0148 CUSTOMER NUMBER: 1158

Critical Care Research, Inc.

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

10743 Civic Center Drive Rancho Cucamonga, CA 91730

Telephone: (909) -987-3883

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

NO OTHER LOCATIONS

FACILITY LOCATIONS (Sites) - See Atached Listing

| Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such | experir tests w conductions of the conductions of t | r on ; upon eaching, th, nents, or ere | which exiteaching, surgery, conducte accompa distress for which anesther tranquilit | of animals upon periments, research, or tests were ed involving anying pain or to the animals an appropriate tic, analgesic, or zing drugs were | research, surgery accompanying pa the use of approp drugs would have or interpretation of surgery, or tests. | s upon which teaching, experiments, or tests were conducted involving ain or distress to the animals and for wh riate anesthetic, analgesic, or tranquiliz adversely affected the procedures, res if the teaching, research, experiments, (An explanation of the procedures distress in these animals and the reasc not used must be attached to this report | F. TOTAL NUMBER OF ANIMALS (COLUMNS |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| | purposes. | drugs | | used. | | | 0 | 5 |
| Dogs | 46 | | <u> </u> | | <u> </u> | | | 0 |
| Cats | 0 | <u> </u> | | - | | | | 0 |
| 6. Guinea Pigs | 0 | | 1 | | | | | 0 |
| 7. Hamsters | 0 | | | | | | | 0_ |
| B. Rabbits | 0 | | | | · | | | 0 |
| 9. Non-human Primates | \bigcirc | | | | | | | 0_ |
| 10. Sheep | 0 | | | | | | | 0 |
| 11. Pigs | 0 | | | | | | | 0 |
| 12. Other Farm Animals | 0 | | | | | | | |
| | | | | | | | | 0 |
| 13. Other Animals | 0 | | | | 1 | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual resembles to the control of t ASSURANCE STATEMENTS teaching, testing, surgery, or experimentation were followed by this research facility.
 - 2) Each principal investigator has considered alternatives to painful procedures.
 - 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and app. rnis tacility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and applications of the standards and regulations be specified and explained by the principal investigator and applications of the standards and regulations be specified and explained by the principal investigator and applications of the standards and regulations are regulations and regulations be specified and explained by the principal investigator and applications of the standards and regulations are regulations.
 - 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OR INSTITUTIONAL DEPICIAL C.00 NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) OFFICIAL INSTITUTIONAL

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

DEC - 2 2004



UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0151 CUSTOMER NUMBER: 1156

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Zoological Society Of San Diego P. O. Box 120551 San Diego, CA 92112

Telephone: (619) -557-3941

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| | B. Number of animal being bred, conditioned, or | C. Number of animals upon which teaching. | Number of animals upon which experiments, teaching, research, surgery, or tests were | Number of animals upon which teaching, experiments research, surgery or tests were conducted involving accompanying pain or distress to the animals and for what companying against the animals and for what companying agasthetic analogsic, or tranquiliz | F. TOTAL NUMBEI |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| Animals Covered By The Animal Welfare Regulations | held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | the use or appropriate ancested affected the procedures, residungs would have adversely affected the procedures or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report | (COLUMNS C + D + E) |
| 1. Dogs | | | | | |
| 5. Cats | | | | | |
| 6. Guinea Pigs | | | | | |
| 7. Hamsters | | | | | |
| 8. Rabbits | | | | | 44 |
| 9. Non-human Primates | | 44 | | | |
| 10. Sheep | | | | | + |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| | | | | | + |
| 13. Other Animals | | | | | 3 |
| Giant Panda | | 2 | 1 | | 31 |
| Koala | | 31 | | | 9 |
| Giraffe | | 9 | | | |

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual reservances to the standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual reservances are also acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual reservances are also acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual reservances are also acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual reservances are also acceptable as a second acceptable and a second acceptable teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and applicable standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and applicable standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards are the Act and Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions. brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

Douglas G. Myers, Executive Director

DATE SIGNED

APHIS FÖRM 7023

(Replaces VS FORM 18/23 (OCT 88), which is obsolete.)

See reverse side for additional information. Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO.

93-R-0151

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) CONTINUATION SHEET FOR ANNUAL REPORT

OF RESEARCH FACILITY (TYPE OR PRINT)

Zoological Society of San Diego P.O. Box 120551 San Diego, CA 92112

| (TYPE OR PRINT) | | | | (619) 557-3941 | | | | |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|--|
| | | SECTION EACH ITY | (Attach adi | ditional sheets if ne | COS | eary or use this form.) | | |
| Animals Covered By The Animal Welfare Regulations | B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes. | C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs. | D. Numbe which a teachin surgery conduct accome distres and los anesth | r of animals upon experiments, ig, research, f, or tests were cled involving panying pain or s to the animals r which appropriate etic, analgesic, or ilizing drugs were | Е. | Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report). | TOTAL NO. OF ANIMALS (Cols. C + D + E) | |
| (List by species) | pui poses. | 6 | useu. | | \dagger | | 6 | |
| Cheetah | | 2 | <u> </u> | | + | | 2 | |
| Sun Bear | | | | | \dagger | | . 5 | |
| Black Bear | | | | 5 | + | | 8 | |
| Elephant | 9 | 8 | | | + | | 9 | |
| Anegada Iguana | | 9 | ļ | | + | | 9 | |
| Jamaican Iguana | 6 | | | | + | | | |
| Cuban Iguana | 5 | <u> </u> | ļ | | + | | | |
| Rhino Iguana | 1 | | | | \perp | | | |
| Kiwi | · | 5 | | | 4 | | 5 | |
| Loggerhead Shrike | 60 | | | | 4 | | | |
| Alala | 40 | | | | 4 | | | |
| Nene | 22 | | | | 4 | | ļ | |
| Puaiohi | 20 | | | | | | | |
| Maui Parrotbill | 10 | | | | _ | | | |
| Elepaio | 2 | | | | | | | |
| Hawaii Creeper | 10 | | | | | | | |
| Hawaii Akepa | 10 | | | | | | | |
| Palila | 14 | | | | | 3 | | |
| *************************************** | 1 | | . ! | | | | | |
| Po'ouli | | | | | | | | |

ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

| CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL |
|----------------------------------------------------------------------------------|
| ERTIFICATION Days and I Days and I Institutional Official) |
| (Chief Executive Officer or Legally Responsible Institutional Official) |
| I certify that the above is true, correct, and complete (7 U.S.C. Section 2143). |
| t Certify that the according to the |

NOV 3 0 2004

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

Douglas G. Myers, Executive Director

APHIS FORM 7028A

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

93-R-0153 1. CERTIFICATE NUMBER:

CUSTOMER NUMBER: 1154

FORM APPROVED OMB NO. 0579-0036

Gibbon Conservation Center P. O. Box 800249

Santa Clarita, CA 91380

Telephone: (661) -296-2737

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| Animals Covered By The Animal Welfare Regulations | SED BY OR UNDER CO. B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report | F. TOTAL NUMBER OF ANIMALS (COLUMNS |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| Dogs | | | | | |
| Cats | | | | | |
| Guinea Pigs | | | | | |
| . Hamsters | | | | | |
| . Rabbits | | | 75 | | 16 |
|). Non-human Primates | 23 | 16 | 0 | - U | |
| 0. Sheep | F. | | | | |
| 1. Pigs | | -1 | | | |
| 12. Other Farm Animals | | | | | |
| 13. Other Animals | | | | | |
| 13. Ouler Administra | | | | | |
| | | | | | |

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual reservables to the contract of the c ASSURANCE STATEMENTS teaching, testing, surgery, or experimentation were followed by this research facility.

 - 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximation. This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and appropriate the facility of the standards and the facility of the standards and regulations to the standards and regulations to the standards and regulations to the facility of the facility of the standards and the facility of the standards and regulations are standards and regulations are standards and regulations are standards and regulations are standards and regulations of the standards are standards and regulations are standards are standards.
 - 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) ALAN MOOTHICIC

DATE SIGNED

>VECTO ?

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 93-R-0155

CUSTOMER NO. 1151

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) ALPHA THERAPEUTIC CORPORATION 5555 VALLEY BOULEVARD

LOS ANGELES, CA 90032 (323) 225-2221

| neets if necessary.) | | FA | CILITY LOCATIONS(sites) | g, or experimentation, or held for these purposes. Attach additional additions of the second sec | |
|------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| e Attached Listing | | | | | |
| | | | | | |
| | | | (Attach additional sheets if ne | ecessary or use APHIS FORM 7023A) E. Number of animals upon which teaching. | |
| PORT OF ANIMALS USED BY Animals Covered By The Animal Welfare Regulations | B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs. | D. Number of animals upor which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropria anesthetic, analgesic, of tranquilizing drugs were used. | experiments, tesearch, sugarying pain or distress conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these temporal pains and the procedures producing pain or distress in these | TOTAL NO. OF ANIMALS (Cols. C + D + E) |
| I. Dogs | | | | | |
| 5. Cats | | | | 0 | 748 |
| 6. Guinea Pigs | 4 | 748 | D | | |
| 7. Hamsters | | /72 | D | 0 | 1573 |
| 8. Rabbits | 5 φ | 1573 | | | · |
| 9. Non-Human Primates | | | | | |
| 10. Sheep | | <u> </u> | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | - |
| 13. Other Animals | | | | | |
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- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the Inis racility is adhering to the standards and regulations under the AC, and it has required that exceptions to the standards and regulations be specified and explaned by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In principal investigator and approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other

| addition to identifying the trees appropriate | the provision of adequate veterinary care and to oversee the designation | |
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| at The attending veterinarian for this research facility has approp | oriate authority to ensure the provision of adequate veterinary care and to oversee the decident | |
| aspects of animal care and use. | TOTA POLICA CILITY OFFICIAL | |
| | ON BY HEADQUARTERS RESEARCH FACILITY OFFICIAL | |
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| (Chief Exect | at the above is true, correct, and complete (7. U.S.C. Section 2143) | DATE SIGNED |
| | | |
| SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL | | 29 000 2004 |
| SIGNATORE | | 11 Adrive |
| ' \\ \\ | James H. Sesic Director, Regulato | 19 /11/2013 |
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| (Penlaces VS FORM 18-23 (Oc | | |

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (Oct 88), which is obsolete

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

CUSTOMER NUMBER:

1. CERTIFICATE NUMBER: 93-R-0158

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Antibodies, Inc. P. O. Box 1560 Davis, CA 95617

Telephone: (530) -758-4400

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for whithe use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, resor interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasc such drugs were not used must be attached to this report | F. TOTAL NUMBER OF ANIMALS (COLUMNS C+D+E) |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| Dogs | | | | | 1 (8/ |
| Cats | | | | | 1186 |
| . Guinea Pigs | 5 | | 81 | | 10/ |
| . Hamsters | | | | | 10265 |
| . Rabbits | 35 | | 230 | | |
|). Non-human Primates | | | | | |
| 0. Sheep | | | | | 1 |
| 1. Pigs | | | | | 101 |
| 2. Other Farm Animals | | | | | 1037 |
| GOATS | 2 | 45 | <u> </u> | | |
| 13. Other Animals | | | | | |
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| | | _ | | 9 | |
| | | | | | |
| ASSURANCE STATEME | NTS | | to including appropriate | use of anestetic, analgesic, and tranquilizing drugs, prior to, during | g, and following actual |

- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately account to the standards and regulations are required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately account to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately account to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately account to the standards and regulations are required that exceptions to the standards and regulations are required to the standards are required to the standards and regulations are required to the standards are required to the standards. I his facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and applications and the standards and regulations of the standards and regulations be specified and explained standards and regulations of the standards and explained standards and regulations of the standards and regulations are standards and regulations of the standards and regulations are standards and regulations of the standards and regulations are standards brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

| 4) The attending veterinarian for this research facility has appropriate authority to ensure CERTIFICATION BY HEA | e the provision of adequate veterinary care and to over DQUARTERS RESEARCH FACILITY OFFICIAL r or Legally Responsible Institutional Official) | |
|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| | NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) RICHARD L. KROGSRUD, Ph.D President | DATE SIGNED |

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE REGISTRATION NO. 93-R-0159

CUSTOMER NO. 1147

FORM APPROVED OMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, ORTHOPAEDIC HOSPITAL 2400 SOUTH FLOWER STREET include Zip Code)

LOS ANGELES, CA 90007 (213) 742-1000

| Animals Covered By The Animal Welfare Regulations | animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such | C. Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, interpretation of | (Cols. C + D + E) |
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| | purposes. | Tonprino | 88 | | |
| <u>Cabbits</u> | | | | | |
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- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research teaching testing surgery or experimentation were followed by this research facility ASSURANCE STATEMENTS and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

 - 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In principal investigator and approved by the institutional Animal Care and Use Committee (IACUC) as well as the species and number of animals affected, addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
 - 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other

| | addition to identifying the way | nority to ensure the provision | |
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| | addition to identifying the his research facility has appropriate auth 4) The attending veterinarian for this research facility has appropriate auth | TO LEACH ITY OFFICIAL | |
| | aspects of animal care and use. | HEADQUARTERS RESEARCH FACILITY OFFICIAL | |
| | CERTIFICATION BY | Responsible Institutional official | |
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| 1 | OFFICIAL | NAME & TITLE OF C.E.O. OK INCOME | 1/1/2011 |
| | SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL | NAME & TITLE OF C.E.O. OR INSTITUTIONAL OF FORMAL HARRY A. McKellop, Ph.D. V.P. and Director of Research, | Orth Hospital / 130/0 / |
| | SIGNATURE | Director of Research, | OI th. Hoop- |
| | 1 1/10/0/// | V.P. and Director of | PART 1 - HEADQUARTERS |
| | | | |
| | / 0 / 201 | which is obsolete | |

APHIS FORM 7023A

(Replaces VS FORM 18-23 (Oct 88), which is obsolete

APHIS FORI (AUG 91)

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: **CUSTOMER NUMBER:**

93-R-0163 1146

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Donald B. Kent Hubbs-Sea World Research Inst 2595 Ingraham Street San Diego, CA 92109

Telephone: (619) -226-3870

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasc such drugs were not used must be attached to this report | F. TOTAL NUMBER OF ANIMALS (COLUMNS C+D+E) |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| 4. Dogs | | | | | |
| 5. Cats | | - | | | |
| 5. Guinea Pigs | | | | | |
| 7. Hamsters | | | | | |
| B. Rabbits | | | | · | |
| 9. Non-human Primates | | | | | |
| 0. Sheep | | | | | |
| 1. Pigs | | | | | |
| 2. Other Farm Animals | | | | | |
| | | | | | |
| 3 Other Animals FIOTIDE mana | tee | 5 | | | 5 |
| N. Elephant | seal | 2100 | | | Q 2100 |
| Weddell seal | | 18 | | | 18 |
| Harbor seal | | 12 | | | 12 |

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and appropriate institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

Donald B. Kent, President

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

NOV 3 0 2004

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150. See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 93-R-0165

CUSTOMER NO. 1144

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) THE BURNHAM INSTITUTE 10901 NORTH TORREY PINES ROAD LA JOLLA, CA 92037

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS(sites) THE BURNHAM INSTITUTE

| | · | | 10110 FORM 7022A) | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OR UNDER CONTROL OF | RESEARCH FACILITY | (Attach additional sheets if nec | E. Number of animals upon which teaching. | F. |
| B. Number or animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs. | which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals | experiments, research, surgery pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research. | TOTAL NO. OF ANIMALS (Cols. C + D + E) |
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| | B. Number or animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not | B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such | B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such | B. Number of animals upon which experiments, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes. C. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs were used. D. Number of animals upon which experiments, teaching, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs were used. E. Number of animals upon which experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or interpretation of the teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs were used of such purposes. |

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other

| | aspects of animal care and use. | (HEADQUARTERS RESEARCH FACILITY OFFICIAL | |
|---|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-------------|
| Ī | | Misser or Longilly Responsible institutional arrests | |
| ۱ | I certify that the ab | pove is true, correct, and complete (7 U.S.C. Section 2143) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) | DATE SIGNED |
| ١ | I SIGNATURE OF C.E.U. OR INSTITUTIONAL OF COMME | | 11/03/2004 |
| | John C. Reed, M.D., Ph.D. | John C. Reed, M.D., Ph.D., Pres. & CEO | |
| 1 | 00/11/ 0.1.00=, | PART 1 - H | EADQUARTERS |

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0183 CUSTOMER NUMBER: 1138

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Genentech, Inc. 1 D N A Way

San Francisco, CA 94080

Telephone: (650) -225-2637

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| | В. | Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. | Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. | Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E | Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report | F. TOTAL NUM OF ANIMA (COLUM C + D + |
|-----------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| Dogs | | | | | _ | | + | | |
| Cats | | 1 | | | - | | + | | 240 |
| Guinea Pigs | | | | | 1 | 240 | + | | |
| Hamsters | | - | 1 | | + | | + | | 194 |
| Rabbits | | | L | | _ | 194 | + | | |
| Non-human Primates | | | | | + | | \dashv | | |
|). Sheep | | 0, | \perp | | + | | + | | 5 |
| 1. Pigs | | | | | 1 | 5 | - | | |
| 2. Other Farm Animals | | | + | | - | | | | |
| 3. Other Animals | | | 1 | | + | | | | |
| | | | \perp | | + | | | | |
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- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual reproductive to the control of the control o ASSURANCE STATEMENTS teaching, testing, surgery, or experimentation were followed by this research facility.

 - 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and I his taching is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigation and Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summar brief explanation of the exceptions, as well as the species and number of animals affected.
 - 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OR INSTITUTIONAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) Richard Scheller, Ph.D. Executive V.P.-Rest

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

OCT 2 0 2004

DATE SIGN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0193 CUSTOMER NUMBER: 1142

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Young Veterinary Research 7243 East Avenue Turlock, CA 95380

Telephone: (209) -632-1919

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| | | | OU FACILITY / Attach additions | al sheets if necessary or use APHIS Form 7023A) | |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| A. Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report | F. TOTAL NUMBER OF ANIMALS (COLUMNS C+D+E) |
| 4. Dogs | | 339 | | | 146 |
| 5. Cats | | 146 | | | |
| 6. Guinea Pigs | | | | - | |
| 7. Hamsters | | | | | |
| 8. Rabbits | | | | | |
| 9. Non-human Primates | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | 25 | | | 25 |
| 13. Other Animals | | | | | |
| | | | | • | |
| | | | | | |

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research ASSURANCE STATEMENTS teaching, testing, surgery, or experimentation were followed by this research facility.
 - 2) Each principal investigator has considered alternatives to painful procedures.
 - This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately approxim Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and number of animals affected.
 - 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

| The attending veterinarian for this research facility had | certification by Headquarters research Facility Official (Chief Executive Officer or Legally Responsible Institutional Official) | |
|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------|
| COUNCELL TIONAL OFFICIAL | NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) | DATE SIGNED |
| SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL | David R. Young, Director YURS | 167000 |

APHIS FORM 7023 lundalin (Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0200 CUSTOMER NUMBER: 1139

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Biosurg 27956 State Hwy 128 Winters, CA 95694

Telephone: (916) -795-2356

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| | | OF DESEAD | CH FACILITY (Attach additiona | al sheets if necessarv or use APHIS Form 7023A) | |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| A. Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report | TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
| 4. Dogs | 4 | | 26 | | 26_ |
| 5. Cats | ð | | | | |
| 6. Guinea Pigs | 0 | | | | |
| 7. Hamsters | 0 | | | | |
| 8. Rabbits | 0 | | | | |
| 9. Non-human Primates | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | | 10 | | 1.3 |
| 10. Sheep | 2 | | 13 | | 5.3 |
| 11. Pigs | l. | · | 53 | | 15 |
| 12. Other Farm Animals | | | | | |
| Calf | 0 | | 15 | | |
| 13. Other Animals | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research ASSURANCE STATEMENTS teaching, testing, surgery, or experimentation were followed by this research facility.
 - 2) Each principal investigator has considered alternatives to painful procedures.
 - 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and app Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in
 - brief explanation of the exceptions, as well as the species and number of animals affected. 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type of Print)

DATE SIGNED

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

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APHIS FORM 7023 (AUG 91)

Interagency Report Control No.:

1. CERTIFICATE NUMBER: 93-R-0211

FORM APPROVED OMB NO. 0579-0036

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

CUSTOMER NUMBER: 1136

Aphton Corporation P. O. Box 1049 Woodland, CA 95776

Telephone: (530) -668-5100

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary) FACILITY LOCATIONS (Sites) - See Atached Listing

| | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report | F. TOTAL NUMBE OF ANIMALS (COLUMN C + D + E |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| Dogs | 0 | | | | 0 |
| Cats | 0 | | | | 0 |
| . Guinea Pigs | 0 | | | | 0 |
| . Hamsters | 0 | | | | 0 |
| . Rabbits | 0 | | | | 0 |
|). Non-human Primates | 0 | | | - | 0 |
| 0. Sheep | 0 | | | | 0 |
| 1. Pigs | 0 | | | | 0 |
| 2. Other Farm Animals | 0 | | | | |
| : | | | | | 0 |
| 3. Other Animals | 0 | | | | |
| | | | | c | |
| | | 1 | | | |

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual resembles testing appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual resembles testing appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual resembles testing appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual resembles testing appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual resembles testing appropriate use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual resembles testing appropriate use of animals, including appropriate use of animals, including appropriate use of animals, and the second appropriate use of ani ASSURANCE STATEMENTS teaching, testing, surgery, or experimentation were followed by this research facility.

 - 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately the principal investigato Into lawing is admenting to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and appropriate (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary interesting of the exceptions are well as the exceptions and sumbar of exceptions.
 - 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

Sue A Russell Asst Corp. Sect

DATE SIGNED

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

(AUG 91)

Dilicar

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0219 CUSTOMER NUMBER: 1135

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Chiron Corporation 4560 Horton Street Emeryville, CA 94608

Telephone: (510) -655-8730

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary) FACILITY LOCATIONS (Sites) - See Atached Listing

| | | ONTROL OF RESEAR | CH FACILITY (Attach addition: | al sheets if necessarv or use APHIS Form 7023A) E. Number of animals upon which teaching, experiments, | |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| A. Animals Covered By The Animal Welfare Regulations | SED BY OR UNDER C B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reask such drugs were not used must be attached to this report | F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E |
| 4. Dogs | , | 8 | | | <u>-</u> |
| 5. Cats | - | | | | 59 |
| 6. Guinea Pigs | | 59 | | | 106 |
| 7. Hamsters | | 106 | | | 28 |
| 8. Rabbits | | | 28 | | |
| 9. Non-human Primates | | | | | - |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| | | | | | |
| 13. Other Animals | | | | | |
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| | | | | | |

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately activated to the standards and regulations and regulations are standards and regulations and regulations are standards and regulations are standards and regulations are standards and regulations are standards and regulations under the Act, and it has required that exceptions to the standards and regulations are standards are standards are standards are standards are standards are standards. Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief exclanation of the exceptions. brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OF INSTITUTIONAL OFFICIAL

OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) Vice President, Corporate Resources

DATE SIGNED 140ctoby 200

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

(:'AUG 91)

Interagency Report Control No.:

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cases and desist and to be subject to penalties as provided for in Section 215

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

See attached form for additional information.

1. CERTIFICATE NUMBER: 93-R-0221 CUSTOMER NUMBER: 1137

FORM APPROVED OMB NO. 0579-0036

Dnax Research, Inc. 901 California Ave. Palo Alto, CA 94304

Telephone: (650) -496-6400

3. REPORTING FACILITY (List all locations where animats were housed or used in actual research, leating, or experimentation, or held for these purposes. Attach eddicional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Attached Listing

| EPORT OF ANIMALS US | ED BY OR UNDER C | CONTROL OF RESEAR | D. Number of animals upon | E. Number of animals upon which teadsing, experiment | F. |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| Animula Covered By The Animal Welfere Regulations | B. Number of animal being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not ye used for such | C. Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use or poin-relieving | which experiments, isserting, research, aurgery, or tests were conducted involving accompanying pain or distress to the snimets and for which appropriate anesthete, analysist, or tranquitizing drugs were | research, surgery or lests were to the animals and for where accompanying pain or distress to the animals and for where we deprecent enesthelis, analgesis, or tranquility drugs would have adversely effected the procedures, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the react such drugs were not used must be attached to this report | TOTAL NUMBER OF ANIMALS (COLUMNS C+D+E) |
| | ригравев. | quigs. | used. | | 0 |
| , Dogs | | | | | 0 |
| 5. Cuts | | | | | 0 |
| 6. Guinea Pigs | | North American | | | 0 |
| 7. Hameters | | 1 | | | 0 |
| 8. Rabbils | | | | | 0 |
| 9. Non-human Primates | | | | | 0 |
| 10. Sheep | | | | | 0 |
| 11. Pigs | | | | | 0 |
| 12. Other Farm Animals | | | <u> </u> | | |
| | | | | | 0 |
| 13. Other Animals | 1 | | | | |
| | | | | | |
| | | | | | |

- Professionally acceptable standards governing the care, treatment, and use of animata, including appropriate use of anestetic, enelgesic, and tranquilizing drugs, prior to, during, and following actual research teaching, teating, surgery, or experimentation were followed by this research facility. ASSURANCE STATEMENTS
 - 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations to the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is extached to this annual report. In addition to identifying the IACUC approved exceptions, this summary in this exception of the exceptions, as well as the species and number of enimals affected.
 - 4) The attending veterinarian for this research facility has appropriete authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other espects of animal care and use.

| ., | | PER PARCH FACILITY OFFICIAL |
|----|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| _ | CERTIFICATION B | HEADQUARTERS RESEARCH FACILITY OFFICIAL |
| | CERTIFICATION | Y HEADQUARTERS RESPONSIBLE Institutional Official) Officer or Legally Responsible Institutional Official) |
| | (Chief Executive | Outcet of Foliation and and an article of the control of the contr |
| | \ - | |

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or PTIM)

DATE SIGNED 9/30/00

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL unut JOHNT. CLENUTTE, W.D.

PRESIDENT

APHIS FORM 7023 (AUG 1)

(Replaces VS FORM 18-23 (OCT BB), which is absolute.)

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150. See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 93-R-0232

CUSTOMER NO. 1132

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) SAN JOAQUIN VALLEY COLLEGE

8400 W. MINERAL KING AVE VISALIA, CA 93291

| • | VIO. 12.14 |
|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| · · · · · · · · · · · · · · · · · · · | in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional |
| 3. REPORTING FACILITY (List all locations where animals were housed or used | III actual 10000 s.y. |
| sheets if necessary.) | FACILITY LOCATIONS(sites) |
| SAN JOAQUIN VALLEY COLLEGE FRESNO, CA 93710 | |
| | ADJUS FORM 70234) |
| REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACI | LITY (Attach additional sheets if necessary or use APHIS FORM 1023) D. Number of animals upon E. Number of animals upon which teaching, experiments, research, surgery or tests were |

| Animals Covered By The Animal Welfare Regulations | B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report) | TOTAL NO OF ANIMALS (Cols. C + D + E) |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| | | | 33 | | 33 |
| Dogs | | | 16 | | 16 |
| Cats | | | | | 2 |
| Guinea Pigs | | 2 | | | |
| . Hamsters | | | - | | 3 |
| 3. Rabbits | | .1 | 2 | | |
| 9. Non-Human Primates | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| | | | | | |
| 13. Other Animals | | | - | | |
| | | | | 5 | |
| | | | | | |

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, ASSURANCE STATEMENTS and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
 - 2) Each principal investigator has considered alternatives to painful procedures.
 - 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
 - 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other

| The attending veterinarian for this research facility has appropriate aut | lonely to choose the part | |
|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------|
| aspects of animal care and use. | THE PERSON PROPERTY OFFICIAL | |
| CERTIFICATION BY | HEADQUARTERS RESEARCH FACILITY OFFICIAL | |
| (Chief Executive C | Officer or Legally Responsible Medical 2143) | |
| I certify that the ab | ove is true, correct, and complete (7 U.S.C. Section 2143) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) | DATE SIGNED |
| SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL | NAME & TITLE OF C.E.O. OR INSTITUTIONAL STATES | 44,000,0004 |
| SIGNATURE OF C.E.O. OK INSTITUTION IN | - Australia Dengram Director | 11/28/2004 |
| Cultur Booker BVT | Veterinary Technology Program Director | |
| Sally Becker, RV1 | PART 1 - H | EADQUARTERS |
| Sally Becker, RVT | PART 1 - H | EADQUARTERS |

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0244 CUSTOMER NUMBER:

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Hartnell College Animal Health Technology 156 Homestead Avenue Salinas, CA 93901

Telephone: (831) -755-6855

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| REPORT OF ANIMALS | USED BY OR UNDER C | CONTROL OF RESEAR | CH FACILITY (Attach additiona | I sheets if necessary or use APHIS Form 7023A) | |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| A. Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reask such drugs were not used must be attached to this report.) | F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
| 4. Dogs | 0 | 4 | -0- | 0 | 4 |
| 5. Cats | A- | 4 | - | 0 | 4 |
| 3. Guinea Pigs | 0 | - () | 6 | 0 | 0 |
| 7. Hamsters | 0 | 0 | 0 | 0 | 0 |
| 3. Rabbits | Ô | 0 | 0 | 0 | 0 |
|). Non-human Primates | 0 | 0 | 0 | 0 | 0 |
| 0. Sheep | 0 | A | 0 | 0 | 0 |
| 1. Pigs | Õ | 0 | 0 | 0 | 0 |
| 2. Other Farm Animals | 0 | 0 | 0 | 0 | 0 |
| | | | | | |
| 3. Other Animals | 0 | 0 | <u> </u> | & | 0 |
| | | | | | |
| | | | | | |
| | · | | | | • |

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately appro Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

HIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

Illiam C. Fellner DM 1/12 Director, Dept. Animal Health Technology

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 93-R-0247 CUSTOMER NUMBER:

FORM APPROVED

Interagency Report Control No.:

OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Tanabe Research Laboratories, U.S.A., Inc.

See attached form for

additional information.

-4540 Towne Centre Court San Diego, CA 92121

Telephone: (858) -622-7000

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS Form 7023A) | | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--|
| | | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reask such drugs were not used must be attached to this report.) | OF ANIMALS (COLUMNS C + D + E) | |
| 4. Dogs | 0 | 0 | O | 0 | 0 | |
| 5. Cats | 0 | 0 | 0 | 0 | 0 | |
| 6. Guinea Pigs | 0 | 0 | 0 | 0 | 0 | |
| 7. Hamsters | 0 | 0 - | 0 | 0 | 0 . | |
| 8. Rabbits | 0 | 0 | 0 | 0 | 0 | |
| 9. Non-human Primates | O | 0 | 0 | 0 | 0 | |
| 10. Sheep | 0 | 9 | 0 | 0 | 0 | |
| 11. Pigs | 0 | 0 | 0 | 0 | 0 | |
| 12. Other Farm Animals | 0 | 0 | 0 | 0 | 0 | |
| 12. Other Farm Armais | - | <u> </u> | | | | |
| 13. Other Animals | 0 | 0 | 0 | 0 | 0 | |
| | | | : | | | |
| | | | | | | |
| | | | : | | | |

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately appro Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and number of animals affected.

| The attending veterinarian for this research facility has appropriate authority. | ority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects o | r animai care and use. |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|------------------------|
| CERTIFICATIO | N BY HEADQUARTERS RESEARCH FACILITY OFFICIAL tive Officer or Legally Responsible Institutional Official) | |
| SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL | YOSWI Saso President and CEO | DATE SIGNED |

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

his report is required by law (7 USC 2143). Failure to report according to the regulations ca asult in an order to cease and desist and to be subject to penalties as provided for in Section 215

See attached form for additional information. Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE

1. CERTIFICATE NUMBER: 93-R-0251

CUSTOMER NUMBER:

OMB NO. 0579-0036

ANIMAL AND PLANT HEALTH INSPECTION SERVICE

Amgen One Amgen Center Drive

Thousand Oaks, CA 91320

FORM APPROVED

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Telephone: (805) -447-1000

. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report | TOTAL NUMBER OF ANIMALS (COLUMNS C+D+E) |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Dogs | 16 | 3 | 17 | | 2/ 20 |
| Cats | | | | | pen |
| Guinea Pigs | 4 | | | 4.7 | 47 |
| Hamsters | 4 | | | | |
| Rabbits | 12 | | 8 | | 3 |
| . Non-human Primates | | | | | |
|). Sheep | | | | | |
| 1. Pigs | | | 2 | | 2 |
| 2. Other Farm Animals | | | | | |
| | | | | | |
| 3. Other Animals | | | | | |
| | | | | | |
| | | | | | 1 |
| | | | | | |

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research 1) teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately appro Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

HAROLD DAVIS, UP PRECLINICAL SOFETY ASSESSMENT

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

OCT 2 9 2004

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER:

93-R-0252 CUSTOMER NUMBER: 1127

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Dade Behring, Inc. 20400 Mariani Ave. Cupertino, CA 95014

Telephone: (408) -366-3845

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

DADE BEHRING RANCH FACILITY LOCATIONS (Sites) - See Atached 82 KIMEKILN RD HOLLISTER CA 95023 831-637-8292

FACILITY LOCATIONS (Sites) - See Atached Listing

| A. Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, of tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, rese or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasc such drugs were not used must be attached to this report | F. TOTAL NUMBER OF ANIMALS (COLUMNS |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| 4. Dogs | | | | | |
| ວ. Cats | | | | | |
| 6. Guinea Pigs | | | | | |
| 7. Hamsters | | | | | |
| 8. Rabbits | | | 40 | | 40 |
| 9. Non-human Primates | | | | | |
| 10. Sheep | | | 405 | | 405 |
| 11. Pigs | | | | | - |
| 12. Other Farm Animals | | | | | |
| GOATS | | | 28 | | Z8 |
| 13. Other Animals | | | | | |
| | | | | | |
| | | v | | • | |
| | | | | | |

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual reservables teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and app Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and number of animals affected.

4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use. CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) DATE SIGNED NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) SIGNATURE OF C.E.O. OR INSTITUTIONAL DEFICIAL MUNSELV. Jr. YP West Gest (Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

HIS FORM 7023

NOV 15 20

1126

93-R-0254

Interagency Report Control No.:

FORM APPROVED OMB NO. 0579-0036

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Peninsula Laboratories, Inc. 305 Old County Road San Carlos, CA 94070

1. CERTIFICATE NUMBER:

CUSTOMER NUMBER:

Telephone: (650) -592-5392

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| A. Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reason such drugs were not used must be attached to this report. | F. TOTAL NUMBER OF ANIMALS (COLUMNS |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| 4. Dogs | | | | | |
| 5. Cats | | | | | |
| 6. Guinea Pigs | | | 3 | | 3 |
| 7. Hamsters | | | | | |
| 8. Rabbits | | | 6.5 | | .65 |
| 9. Non-human Primates | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | 5 | a | | <u>:</u> | |
| 12. Other Farm Animals | | | | | |
| | | | | | |
| 13. Other Animals | | | | | |
| | 1 | | | | |
| | | | | | |
| | | <u> </u> | | | |

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and app Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

C.E.O. OR INSTITUTIONAL OFFICIAL SIGNATURE OF

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

Damir Vidovic, President & COO

DATE SIGNED

APRIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

SEP 27 2004

God - Galle_

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0260 1125 CUSTOMER NUMBER:

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Josman, LLC P. O. Box 3752 Napa, CA 94558

Telephone: (707) -226-2115

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| | · ···IDER CO | INTROL OF RESEARCH | FACILITY (Attach additions | E. Number of animals upon which teaching, experiments, upon which teaching, experiments, burgery or tests were conducted involving | TOTAL NUMBER |
|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| EPORT OF ANIMALS USE Animals Covered By The Animal Welfare Regulations | being bred, conditioned, or held for use in teaching, testing, experiments, | which teaching, research, experiments, or tests were conducted involving no pain, | surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh accompanying pain or distress to the animals and for wh accompanying pain or distress to the animals and for what drugs would have adversely affected the procedures, rest or interpretation of the teaching, research, experiments, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reason such drugs were not used must be attached to this report | (COLUMNS C+D+E) |
| | surgery but not ye used for such | distress, or use or pain-relieving | tranquilizing drugs were used. | | 0 |
| | purposes. | drugs. | | 0 | 0 |
| | | 0 | 0 | 0 | 0 |
| 4. Dogs | 0 | 0 | 0 | 0 | + 12 |
| 5. Cats | 0 | 1 | 0 | . 0 | 0 103 |
| 6. Guinea Pigs | 0 | 0 | 0 | U | 1.082 (P) |
| | 0 | 0 | | 0 | 0 |
| 7. Hamsters | | 622 | 410 | 0 | 11 _ |
| 8. Rabbits | 50 | 0 _ | 0 | 0 | 0 |
| 9. Non-human Primates | 0 | 11 | 0 | 0 | |
| 10. Sheep | 0 | | 0 | | 1 |
| 11. Pigs | 0 | 0 | | 0 | 87 (1) |
| | s | | 0 | | 0 |
| 12. Other Farm Animals | 2 | 85 | | 0 | |
| Goats | | 0 | 0 | | |
| 13. Other Animals | 0 | | | | |
| | | | | | |
| | | | | | - i- and |
| | | | | opriate use of anestetic, analgesic, and tranquilizing drugs, prior to, analysis of the standards and regulations be specified and explained by the standards and regulations to identifying the IACUC-app. | during, and following ac- |
| ASSURANCE STATE | | | to including appro | opriate use of anestetic, analgesic, and trong | |

- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulation to identifying the IACUC-approved exceptions. this summ Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator an Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summ brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and us

| and attended to ensure | THE PACILITY OFFICIAL |
|------------------------|-----------------------------------------------------------------------------------------|
| has appropriate | CHARTERS RESEARCH (ACTION OF COMICIAL) |
| TICATION BY HEA | DQUARTERS RESEARCH FACILITY OFFICIAL or Legally Responsible Institutional Official) |
| CERTIFICATION | or Legally Responsible |
| Chief Executive Unice | DQUARTERS RESEARCH FACILITY or Legally Responsible Institutional Official) |
| (01110. == | OF OR INSTITUTIONAL OF |

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) Joseph Beirao / Member SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.) APHIS FORM 7028

(AUG 91)

ti /i

This report is required by law (7 USC 2143). Failure to report according to the regulations can This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

1. REGISTRATION NO.

CUSTOMER NO. 1121

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, SCANTIBODIES LABORATORIES, INC. include Zip Code)

9336 ABRAHAM WAY SANTEE, CA 92071-2862

| | | | togching, 0 | r experimentation, or held for these parper | |
|------------------------|------------------------------|------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| | | boused or used in actual reso | earch, testing, teaching, o | r experimentation, or held for these purposes. Attach additions | |
| EACH ITY (List all lo | cations where animals were | Houses of a | OCATIONS(sites) | TODIES INC | |
| ets if necessary.) | | FACILITY | LECANTIBODIE | S LABORATORIES, INC. 92065 | |
| | | | RAMONA, CA | 92065 | |
| ITIBODIES LABORATORII | ES, INC. | | PONIVIOI | | |
| ITIBODIES LABORATOT. | | | | | |
| ONA, CA 92000 | | | | | |
| VTIBODIES LABORATORI | ES, INC. | | | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate to the animals and for the cond | |
| ONA CA 92065 | | | additional sheets if nece | essary or use APHIST Chamber which teaching. | F. |
| ONA, CA 0200 | POUTBOL OF I | RESEARCH FACILITY (Affac | additions of animals upon | E. Number of animals upon which teaching, experiments, research, surgery or tests were experiments, research, surgery pain or distress and implying accompanying pain or distress. | TOTAL NO. |
| TO ANIMALS USED BY | R UNDER CONTROL OF | C Number of D. N | bich experiments, | experiments, research, surgery or tests were experiments, research, surgery or tests were conducted involving accompanying pain or distress conducted involving accompanying pain or distress would | OF ANIMALS |
| ORT OF ARTING | B. Number of | animals upon | eaching, research, | experiments, the conduction of the conducted involving accompanying pain to the conducted involving accompanying pain to the animals and for which the use of appropriate to the animals and for tranquilizing drugs would anesthetic, analgesic, or tranquilizing drugs would anesthetic, analgesic, and the procedures, results, or | (Cols. C+ |
| | animais being | which teaching, | urgen/ or tests were | anesthetic, analgesic, of the procedures, results, or | D + E) |
| Animals Covered | bred, conditioned, or | rocearch, | ducted involving | | |
| By The Animai | held for use in | 1-atc MOFE | accompanying pain or distress to the animals | | |
| Welfare Regulations | teaching, testing, | conducted t | LES WHICH ROUTON | experiments, surgery, or tests. (An explanation experiments, surgery, or tests.) experiments, surgery, or tests. (An explanation in these the procedures producing pain or distress in these the procedures producing pain or distress in these the procedures producing pain or distress. | |
| | experiments, research, or | | | the procedures producing pain or distress in the procedures producing pain or distress in the distress and the reasons such drugs were not used animals and the reasons such drugs were not used animals and the head to this report) | |
| • | i | pain, distress, or use of pain- | tranquilizing drugs were | animals and the reasons must be attached to this report) | \ |
| | vet used for such | relieving drugs. | used. | | |
| | purposes. | 10.10.11.0 | - | | |
| | | | | | |
| | | | | | |
| Dogs | | | | | |
| | | | | | |
| . Cats | | | | | 1 |
| | | | | | |
| 6. Guinea Pigs | | | | | 138 |
| | | 1 | | | |
| 7. Hamsters | | | | | 1 |
| 7. Harriote | | 138 | | | |
| 8. Rabbits | 1 | | | | 3 |
| 8. Rabbito | | | | | |
| 9. Non-Human Primates | | | _ | | |
| 9. Non-Huttari i i | | 3 | | | |
| | | | | | |
| 10. Sheep | | l l | | | |
| | | | | | |
| 11. Pigs | | | | | 131 |
| | | | | | |
| 12. Other Farm Animals | | 101 | | | |
| | 24 | 131 | | | |
| Goats | | | | | |
| | | | | | |
| 13. Other Animals | | | | | |
| 1.0. | | | - | | |
| 1 | | | - | | |
| | | | - | | |
| | | | _ | | |
| | _ | | | propriate use of anesthetic, analgesic, and tranquilizing drugs, search facility. Search facility. Search facility. | prior to, during, |
| | | | . 11-5-50 | propriate use of anesthetic, analgesic, and transparent | |
| ASSURANCE STATEME | NTS | ig the care, treatment, and using, surgery, or experimentations tematives to painful procedure | of animals, including app | search facility. | |
| I ASSUKANCE OTT. | iornir | o the care, weathers, | n were tollowed by and to | entions to the standards and regulations be specified and expla | |

- ASSURANCE STATEMENTS
- riviessionally acceptable standards governing the care, treatment, and use of animals, including appropriate 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions, as well as the species and number of animals affected.
 - 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

| i | principal investigation the IACUC-approved exceptions, the provision of adolescent the | |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| | addition to identifying the facility has appropriate authority | |
| A١ | principal investigator and investigator | |
| ٠, | ASDECIS OF CHILDREN STORY OF A 121 | DATE SIGNED |
| _ | (Chief Executive Officer of Legant and complete (7 U.S.C. Section 2 Type or Print) | DAIL SIL |
| | CERTIFICATION BY HEAD CLegally Responsible Institution 2143) (Chief Executive Officer or Legally Responsible Institution 2143) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) | 10/25/2004 |
| | OFFICIAL INVITED TO | |
| _ | NATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL Michael Nordstrom, Manager RA/QA PART 1 - H | FAROUARTER |
| G | Michael Nordstrom, Manager RAVQA PART 1 - H | FADGOVIVI |

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL Michael Nordstrom

PART 1 - HEADQUARTER

This report is required by law (? USC 21 43) Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150

Set reverse side for additionalinformation

Interagency Report Control No 0180-DOA-AN

| r to cease and deal | | |
|---------------------|-------------------------|-------|
| UNITED STATES | DEPARTMENT OF AGRICUL | TURE |
| ANIMAL AND PLAN | NT HEALTH INSPECTION SE | RVICE |

L REGISTRATION NO. 93-R-0265 FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

Diccinostic Picturets ('orphication 5700 N. 96th St

LOS Angeles, (A

3. REPORTING FACILITY (List all Jocations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS (Sites)

45764 N. Copro Ave, Garmin, CA 93243

| ASTICA N. (ODTO A REPORT OF ANIMALS USED BY OR U A. Animals Covered By The Anima Welfare Regulations | JNDER CONTROL OF F animals being bred, conditioned, or held foruse in teaching, testing, experiments, research, or surgery but not yet used for such purposes | RESEARCH FACILITY (A Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain- relieving drugs. | Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving decompanying pain or distress to the animals and for which expropriate anesthetic, analgesic, or used | salty or use APHIS FORM 7023A) E. Number of animals upon which teaching experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in those animals and the reasons such drugs were not used must be attached to this report) | TOTAL NO OF ANIMALS (Cols. C + D + E) |
|------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| 4. Dogs | 0 | | | | |
| 5. Cats | 10 | | | | 022 |
| 6. Guinea Pigs | 10 | | | 0 | 7320 |
| 7. Hamsters | 30_ | 333 | 0 | | 1 |
| 8. Rabbits | 10 | | 1.0 | 0 | 10 |
| 9. Non-human Primates | 10 | 10 | 10 | | |
| 10. Sheep | 10 | | - | | |
| 11., Pigs | 10 | | | 0 | 77 |
| 12. Other Farm Animals | 6 | 77 | 10 | | |
| Gioats | - | | 1 | 10 | _ 6 |
| 13 Other Animals | 6 | (0 | 10 | | |
| Kurros | | | | | |
| | | | | appropriate use of anesthetic, analgesic, and tranquilizing | drugs, prior to, during |

- 1) Professionally acceptable standards governing the care, treatment, and use of animals including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility ASSURANCE STATEMENTS

 - 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report in principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary is said to the exceptions, as well as the species and number of animals affected.

| | 3) This facility is adhering to the standards and regulators and See Commission of the exceptions, explain the standards and regulators and see and Use Commission of the exceptions, explain the standard approved by the Institutional Animal Care and Use See and | of other aspects of |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| | A) The attending veterinariantor this research team, | l l |
| | TON BY HEADQUY | 1 |
| r | 4) The attending veterinerization this research facility has appropriate animal care and use. CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) (Chief Executive Officer or Legally Responsible (7 U.S.C. Section 2143). I certify that the above is true, correct, and complete (7 U.S.C. Section 2143). | DATE SIGNED |
| ١ | (Chief Executive that the above is true, correct, and control true). (Chief Executive that the above is true, correct, and control true). | |
| 1 | NAME & TITLE OF CEO CHAIN | 1,11,1 |
| | SIGNATURE OF CEO OR INSTITUTIONAL OFFICIAL | 11/29/04 |
| | SIGNATURE OF COMPLETE CONTROL | |
| | SIGNATURE OF CEO OR INSTITUTIONAL OFFICIAL MICHARL ZIERING (FO | |
| | 1/(//. | |
| | y asy which is obsolete | . 0 0 000A |

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88) which is obsolete

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0266 CUSTOMER NUMBER: 8228

(i)

E. Number of animals upon which teaching, experiments,

research, surgery or tests were conducted involving

accompanying pain or distress to the animals and for wh

the use of appropriate anesthetic, analgesic, or tranquiliz

drugs would have adversely affected the procedures, res

or interpretation of the teaching, research, experiments,

surgery, or tests. (An explanation of the procedures

FORM APPROVED OMB NO. 0579-0036

F.

TOTAL NUMBER

OF ANIMALS

(COLUMNS

ANNUAL REPORT OF RESEARCH FACILITY

C. Number of

animals upon

research,

which teaching,

experiments, or

(TYPE OR PRINT)

Number of animal

conditioned, or

held for use in

teaching, testing,

being bred,

A.

Animals Covered

Paul E. Segall, Ph.D. 1442a Walnut Street, #474 Berkeley, CA 94709

Telephone: () -

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

D. Number of animals upon

which experiments,

teaching, research,

surgery, or tests were

accompanying pain or

conducted involving

FACILITY LOCATIONS (Sites) - See Atached Listing REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS Form 7023A)

| teaching, testing, experiments, research, or surgery but not ye used for such purposes. | tests were conducted involving no pain, distress, or use or pain-relieving drugs. | accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | surgery, or tests. (An explanation of the producing pain or distress in these animals and the reasc such drugs were not used must be attached to this report | C+D+E |
|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
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| | | 1 | 0 | |
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| | experiments, research, or surgery but not ye used for such purposes. | experiments, research, or surgery but not ye used for such purposes. | teaching, testing, experiments, research, or surgery but not ye used for such purposes. tests were conducted involving no pain, distress, or use or pain-relieving drugs. tests were conducted involving no pain, distress, or use or pain-relieving drugs. accompanying accompanyi | teath were conducted conducted involving no pain, distress, or use or pain-relieving drugs. The purposes of the purpose |

- teaching, testing, surgery, or experimentation were followed by this research facility.
- Each principal investigator has considered alternatives to painful procedures.
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and appropriate the standards and regulations are standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and appropriate (18018). Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in body explanation of the exceptions are used to the exceptions of the exceptions.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL dit Segull (for Paul Sayell)

Paul E. Segall, Ph.D., Owner (deceased) 12/15/04

DATE SIGNED

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

(AUG 91)

DEC 17 2004

UNITED STATES DEPARTMENT OF AGRICULTURE

ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

See attached form for additional information. Interagency Report Control No.:

1. CERTIFICATE NUMBER: 93-R-0269 CUSTOMER NUMBER: 1124

FORM APPROVED OMB NO. 0579-0036

Biomerica, Inc. 1533 Monrovia Ave. Newport Beach, CA 92663

(949) Telephone: ()-645-2111



i. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

| ORTING FACILITY (List all lo | | | LOCATIONS (Sites) - See Att | Il sheets if necessary of design experiments, | F |
|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| | | TOL OF RESEARCH | FACILITY (Attach additions | E. Number of animals upon which teaching, experiments, | TOTAL NUMBER |
| - COMMAN C LIGHT | D BY OR UNDER CON | IKUL OF THE P | Number of animals upon | E. Number of animals upon which are conducted involving research, surgery or tests were conducted involving research, surgery or tests were conducted involving research, surgery or distress to the animals and for which accompany pain or distress to the animals and for which are conducted the procedures, res | OF ANIMALS |
| PORT OF ANIMALS USE. | Number of animal being bred, conditioned, or | which teaching, | surgery, or tests were | drugs would have adversely affected the speriments, drugs would have adversely affected, experiments, or interpretation of the teaching, research, experiments or interpretation of the procedures | (COLUMNS |
| Animals Covered By The Animal Welfare Regulations | conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not ye used for such purposes. | research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | or interpretation of the least of the procedures surgery, or tests. (An explanation of the procedures surgery, or tests. (An explanation of the procedures surgery, or tests. (An explanation of the procedures surgery, or tests. (An explanation of the procedures surgery, or tests. (An explanation of the procedures surgery, or tests. (An explanation of the procedures surgery, or tests. (An explanation of the procedures surgery, or tests. (An explanation of the procedures surgery, or tests. (An explanation of the procedures surgery, or tests. (An explanation of the procedures surgery, or tests. (An explanation of the procedures surgery, or tests. (An explanation of the procedures surgery, or tests. (An explanation of the procedures surgery, or tests. (An explanation of the procedures surgery, or tests. (An explanation of the procedures surgery, or tests. (An explanation of the procedures surgery, or tests. (An explanation of the procedures surgery, or tests.) | |
| . Dogs | | | | | |
| 5. Cats | | | | | None |
| 6. Guinea Pigs | | | | | - |
| 7. Hamsters | Nego | | | | None |
| 8. Rabbits | None | | 1 | | |
| 9. Non-human Primates | | T | | | |
| 10. Sheep | None | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | S | | | | - |
| | - | | | | |
| 13. Other Animals | | | | | |
| | | | | | |
| | | | | propriate use of anestetic, analgesic, and tranquilizing drugs, prior to, propriate use of anestetic, analgesic, and tranquilizing drugs, prior to, and the standards and regulations be specified and explained be applied to the standards and regulations to identifying the IACUC-applications to the standards and report. In addition to identifying the IACUC-applications are the standards and regulations to identifying the IACUC-applications. |), during, and followir. |
| | | | including appli | ropriate use of anestetic, analysis, and | |
| ASSURANCE STATE | EMENTS by acceptable standards gove sting, surgery, or experiments | erning the care, treatment, | and use of animals, including appresent facility. | eptions to the standards and regulations be specified and explained be | w the principal inves |

- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and the standards and regulations under the Act, and it has required that exceptions to the standards and regulations to identifying the IACUC-approved exceptions. This sum is a standard to this annual report. In addition to identifying the IACUC-approved exceptions is attached to this annual report. ASSURANCE STATEMENTS
 - This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator at the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator at the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator at the standards and regulations be specified and explained by the principal investigator at the standards and regulations be specified and explained by the principal investigator at the standards and regulations be specified and explained by the principal investigator at the standards and regulations be specified and explained by the principal investigator at the standards and regulations be specified and explained by the principal investigator at the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator at the standards and regulations are standards are standards and regulations are standards are standards. 2) Each principal investigator has considered alternatives to painful procedures. 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and u

| This facility is adhering to and Use Committee (IACOO) Institutional Animal Care and Use Committee (IACOO) Institutional Animal Care and Use Care and | por Print) |
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| NAME & TITLE OF C.E.O. OR INSTITUTIONAL OF | t 10/ |
| SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL Francis Capitality, A common Capitality A co | QC7 2.6 Z |

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.) James apela APHIS FORM 7023

his report is required by law (7 USC 2143). Failure to report according to the regulations can esult in an order to cease and desist and to be subject to penalties as provided for in Section 215

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE See attached form for additional information. Interagency Report Control No.:

1. CERTIFICATE NUMBER: 93-R-0272

CUSTOMER NUMBER: 1122

FORM APPROVED OMB NO. 0579-0036

Heart Institute Research Fac. Hospital Of The Good Samaritan ANNUAL REPORT OF RESEARCH FACILITY 1225 Wilshire Blvd. (TYPE OR PRINT) Los Angeles, CA 90017

Telephone: (213) -977-4040

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lesting, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| EPORT OF ANIMALS US | SED BY OR UNDER CO | ONTROL OF RESEARC | H FAUILIT I Attach according | E. Number of animals upon which teaching, experiments, | F |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquilit drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report | TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
| Dogs | | | | | |
| . Cats | | | | | |
| . Guinea Pigs | | | | | |
| . Hamsters | | | 1 | | 71 |
| 8. Rabbits | 2 | | 71 | | |
| 9. Non-human Primates | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| | | | | | |
| 13. Other Animals | | | | | |
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ASSURANCE STATEMENTS

(AUG 91)

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual reservables testing surgery or experimentalize uses followed by this second facility. teaching, testing, surgery, or experimentation were followed by this research facility.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and applications and the standards and regulations are regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and applications and the standards and regulations to the standards and regulations be specified and explained by the principal investigator and applications and the standards and regulations be specified and explained by the principal investigator and applications are required that exceptions to the standards and regulations be specified and explained by the principal investigator and applications are required that exceptions to the standards and regulations be specified and explained by the principal investigator and applications are required that exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations to identifying the IACUC-approved exceptions, this summary in the standards are required that exceptions are required to the standards and regulations are required that exceptions are required that exceptions are required to the standards and regulations are required to the standards are required to the standard
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

| 4) The attending veterinarian for this research facility has appropriate authority to ensure | OQUARTERS RESEARCH FACILITY OFFICIAL OUT A coulty Responsible Institutional Official) | |
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| CERTIFICATION BY HEAD | or Legally Responsible Institutional Official) | |
| (Chief Executive Officer | of Legany 1.15-7 | DATE SIGNED |
| The second of th | NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) Andrew B. Leeka, President & CEO Good Samaritan Hospital | 09/28 |
| APHIS-FORM 223 (Replaces VS FORM 18-23 (OCT 88), which is obsolete.) | GOOG Bamara | |

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0279 CUSTOMER NUMBER: 1118

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Metabasis Therapeutics, Inc. 9390 Towne Centre Drive Bldg. 300

San Diego, CA 92121

Telephone: (858) -587-2770

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

AS Above

FACILITY LOCATIONS (Sites) - See Atached Listing

| سدر | | | Attach addition | al sheets if necessarv or use APHIS Form 7023A) | |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests: (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report | F. TOTAL NUMBE OF ANIMALS (COLUMNS C + D + E |
| . Dogs | | | | | |
| 5. Cats | 1 | | 29 | | 29 |
| 6. Guinea Pigs | | | × 1 | | |
| 7. Hamsters | | | 7 | | 112 |
| 8. Rabbits | | 105 | + | | |
| 9. Non-human Primates | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| _ | | | | | |
| 13. Other Animals | | | | | |
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| | | | | | g and following actual |

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual res ASSURANCE STATEMENTS teaching, testing, surgery, or experimentation were followed by this research facility.

 - 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and a Inits racinity is admening to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and a Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary
 - 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

DATE SIGNE

SIGNATURE OF C.E.O. OR INSTIT

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) Paul Laikind, Ph.D. Chairman, CEO & President

10/13/

APHIS FORM 7023

FORM 18-23 (OCT 88), which is obsolete.)

COPY FOR YOUR INFORMATION

interagency Report Control No 0180-DOA-AN

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 93-R-0280

CUSTOMER NO. 1117

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, ELAN PHARMACEUTICALS, INC. include Zip Code) 800 GATEWAY BLVD.

SAN FRANCISCO, CA 94080 3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

| PORTING FACILITY (LIST all located in the located i | | FAC | CILITY LOCATIONS(sites) | | |
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| N PHARMACEUTICALS, INC I FRANCISCO, CA 94080 |) . | | | | |
| TRANSGENICS COF | RP . | TO SCHEACH ITY | Attach additional sheets if necess | E. Number of animals upon which teaching, experiments, research, surgery or tests were experiments described involving accompanying pain or distress | F. |
| ORT OF ANIMALS USED BY OF Animals Covered By The Animal Welfare Regulations | R UNDER CONTROL OF B. Number of animals being bred. conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report) | TOTAL NO. OF ANIMALS (Cols. C.+ D+E) |
| Dogs | | · | | | |
| Cats | | | 172 | 160 | 332 |
| s. Guinea Pigs | | - | 172 | | |
| 7. Hamsters | | - | | | |
| 8. Rabbits | | | | | |
| 9. Non-Human Primates | | - | | | |
| 10. Sheep | | | | | - |
| 11. Pigs | | - | | | |
| 12. Other Farm Animals | | | | c. | |
| 13. Other Animals | | | | | |
| 15. Other Filmos | | | | | |
| | | | | | |
| | | | | ate use of anesthetic, analgesic, and tranquilizing drugs, pr | |

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other

| | addition to identifying the income | the appropriate authority to ensure the provision of adequate | |
|---|------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| | The attending veterinarian for this research aspects of animal care and use. | h facility has appropriate authority to ensure the provision of adequate | |
| r | aspects of animal care one | CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional official) (Chief Executive Officer or Legally Responsible Institutional official) | |
| ١ | | (Chief Executive Officer or Legally Responsible III.) Certify that the above is true, correct, and complete (7 U.S.C. Section 2143) Certify that the above is true, correct, and complete (7 U.S.C. Section 2143) Certify that the above is true, correct, and complete (7 U.S.C. Section 2143) Certify that the above is true, correct, and complete (7 U.S.C. Section 2143) Certify that the above is true, correct, and complete (7 U.S.C. Section 2143) Certify that the above is true, correct, and complete (7 U.S.C. Section 2143) Certify that the above is true, correct, and complete (7 U.S.C. Section 2143) Certify that the above is true, correct, and complete (7 U.S.C. Section 2143) Certify that the above is true, correct, and complete (7 U.S.C. Section 2143) Certify that the above is true, correct, and complete (7 U.S.C. Section 2143) Certify that the above is true, correct, and complete (7 U.S.C. Section 2143) Certify that the above is true, correct, and complete (7 U.S.C. Section 2143) Certify that the above is true, correct, and complete (7 U.S.C. Section 2143) Certify that the above is true, correct, and correct (1 U.S.C. Section 2143) Certify that the above is true, correct, and correct (1 U.S.C. Section 2143) Certify that the above is true, correct (1 U.S.C. Section 2143) Certify that the above is true, correct (1 U.S.C. Section 2143) Certify that the above is true, correct (1 U.S.C. Section 2143) Certify that the above is true, correct (1 U.S.C. Section 2143) Certify that the above is true, correct (1 U.S.C. Section 2143) Certify that the above is true, correct (1 U.S.C. Section 2143) Certify that the above is true, correct (1 U.S.C. Section 2143) Certify that the above is true, correct (1 U.S.C. Section 2143) Certify that the above is true, correct (1 U.S.C. Section 2143) Certify that the above is true, correct (1 U.S.C. Section 2143) Certify that the above is true, correct (1 U.S.C. Section 2143) Certify that the above is true, correct (1 U.S.C. Section 2143) | DATE SIGNED |
| ١ | SIGNATURE OF C.E.O. OR INSTITUTION | NAL OFFICIAL NAME & TITLE OF G.E. S. | 11/10/2004 |
| 1 | SIGNATURE OF C.E.O. OR INSTITUTION | Senior Vice President, Global Research | |
| | Dr. Stephen Freedman | PA | RT 1 - HEADQUARTERS |
| | | The second section is absolute | |

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 93-R-0283

CUSTOMER NUMBER: 1115

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Robert Sargeant 655 Ash Street Ramona, CA 92065

Telephone: (760) -789-5550

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| A. Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report | F. TOTAL NUMBE OF ANIMALS (COLUMNS C + D + E |
|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| . Dogs | | | | | NONE |
| . Cats | | | | | NME |
| . Guinea Pigs | | | | | nmë |
| . Hamsters | | | | | NME |
| 3. Rabbits | 62 | 3680 | NONE | NME | 3680 |
|). Non-human Primates | | | | | NONE |
| 0. Sheep | 8 | 4 | NNE | NME | 4 |
| 1. Pigs | | | | | NONE |
| 2. Other Farm Animals | | | | | |
| GOATS | 13 | 26 | NME | NONE | 26 |
| 3. Other Animals | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximate approximate that it is a summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approxed exceptions, this summary interest by the principal investigator and approximately interest and under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately interest and under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately interest and under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately interest.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

ROBERT SARGEANT IACUC CHAIR

11-22-04

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

1.10100

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150. See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 93-R-0287

CUSTOMER NO. 3388

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

INTERNATIONAL IMMUNOLOGY CORPORATION 25549 ADAMS AVENUE MURRIETA, CA 92562

| 3. REPORTING FACILITY (List all locations where animals were housed | or used in actual research, testing, teaching, | , or experimentation, or held for these | e purposes. Attach additional |
|---------------------------------------------------------------------|------------------------------------------------|-----------------------------------------|-------------------------------|
| sheets if necessary.) | FACILITY LOCATIONS(sites) | | |
| INTERNATIONAL IMMUNOLOGY CORPORATION MURRIETA, CA 92562 | | | |
| INTERNATIONAL IMMUNOLOGY CORPORATION MURRIETA, CA 92562 | | | |
| REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARC | H FACILITY (Attach additional sheets if nece | essary or use APHIS FORM 7023A) | |

| EPORT OF ANIMALS USED BY | | | (Allauri additional sheets if neces | ssary or use APHIS FORM 7023A) E. Number of animals upon which teaching, | F. |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| A. Animals Covered By The Animal Welfare Regulations | B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report) | TOTAL NO. OF ANIMALS (Cols. C + D + E) |
| I. Dogs | | | | | |
| 5. Cats | | | | | |
| 6. Guinea Pigs | | | | | |
| 7. Hamsters | | | | | |
| 8. Rabbits | | | | | |
| 9. Non-Human Primates | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| Goats | 70 | 639 | | | 639 |
| 13. Other Animals | | | | | |
| | | <u> </u> | | | 1 |
| <u> </u> | | | | | |
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- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

| (Chief Executive (| Y HEADQUARTERS RESEARCH FACILITY OFFICIAL Officer or Legally Responsible Institutional official) bove is true, correct, and complete (7 U.S.C. Section 2143) | | | | | |
|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|
| SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) | | | | | | |
| Kenji Tani, President, C.O.O. | | | | | | |

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0289

CUSTOMER NUMBER: 1112

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

La Jolla Institute For Molecular Medicine 4570 Executive Drive, Ste 100 San Diego, CA 92121

Telephone: (858) -587-8788

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| REPORT OF ANIMALS | USED BY OR UNDER | CONTROL OF RESEAR | CH FACILITY (Attach addition | al sheets if necessary or use APHIS Form 7023A) | |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for whithe use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, resion interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report | F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
| L Dogs- | | | | | |
| i. Cats | | | | | . • |
| Guinea Pigs | | | | | |
| . Hamsters | | | | | |
| . Rabbits | | | 8 | | 8 |
| . Non-human Primates | | | | | |
|). Sheep | | | | | |
| !. Pigs | | | | | |
| 2. Other Farm Animals | · | | | | |
| | | | | | |
| . Other Animals | | | | | |
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| SSURANCE STATEMENTS | <u> </u> | | | | |

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately appro Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

Mario A. Bourdon, Ph.D., Pres. & CEO

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0297 CUSTOMER NUMBER: 8226

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Torrey Pines Inst. For Molecular Studies 3550 General Atomics Ct. San Diego, CA 92121

Telephone: (858) -455-3803

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

Torrey Pines Institute for Molecular Studies

FACILITY LOCATIONS (Sites) - See Atached Listing

| DEDORT OF ANIMALS I | ISED BY OR UNDER CO | ONTROL OF RESEARC | CH FACILITY (Attach additional | I sheets if necessary or use APHIS Form 7023A) | |
|------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| | | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E.: Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reason such drugs were not used must be attached to this report | (COLUMNS C + D + E |
| . Dogs | | | | | |
| 5.' Cats | | | | | - |
| 6. Guinea Pigs | | | | | - |
| 7. Hamsters | | | | | + |
| 8. Rabbits | | | | | |
| 9. Non-human Primates | | | | | |
| i0. Sheep | | * | 1 | | |
| 1. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| | | | | | |
| 13. Other Animals | | | / | | + |
| We use only rats a | and mice | | | | |
| | | | | | |
| | | | | | |

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately appro Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

Karen Garitta, Vice President of Administration

APHIS FORM 7023 (AUG 91)

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0299 CUSTOMER NUMBER: 1108

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Animal Pharm Services, Inc. 303 Dry Creek Road Healdsburg, CA 95448

Telephone: (707) -431-0171

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| | OED BY OB LINDED O | ONTROL OF RESEARC | CH FACILITY (Attach additiona | sheets if necessary or use APHIS Form 7023A) | |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasc such drugs were not used must be attached to this report | F. TOTAL NUMBER OF ANIMALS (COLUMNS |
| 4. Dogs | 0 | 0 | 0 | . 0 | |
| 5. Cats | 0 | 0 | δ | 0 | |
| 6. Guinea Pigs | 0 | 0 | 6 | C | <u> </u> |
| 7. Hamsters | 0 | 0 | 0 | 0 | C |
| 8. Rabbits | 57 | 916 | . 0 | Ö | 916 |
| 9. Non-human Primates | 0 | 0 | | 0 | C |
| 10. Sheep | ļ | 0 | 2 | 0 | O |
| | 0 | 0 | | Ó | 0 |
| 11. Pigs | 0 | | | 0 | 2 |
| 12. Other Farm Animals | <u> </u> | Ö | | | |
| | | <u> </u> | | | |
| 13. Other Animals | | _ | | | |
| | | | | e | |
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ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately appro Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

| The attending veterinarian for this research facility has appropriate authority to the strength of the strength o | THE PROPERTY OF THE PROPERTY O | |
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| CERTIFICATION BY HE (Chief Executive Office | ADQUARTERS RESEARCH FACILITY OFFICIAL er or Legally Responsible Institutional Official) | |
| SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL | NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) | 29 Wey 2004 |
| Amos Mosland Mp | James W. Velameter, MD | |

APHIS FÓRM 7023 (AUG 91)

rt is required by law (7 USC 2143). Failure to report according to the regulations can It is it guired by law (7 000 2140). Handre to report according to the regulations can an order to cease and desist and to be subject to penalties as provided for in Section 215.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

See attached form for additional information.

1. CERTIFICATE NUMBER: 93-R-0303 CUSTOMER NUMBER: 1105

FORM APPROVED OMB NO. 0579-0036

Interagency Report Control No.:

Biogen Idec, Inc. 3030 Callan Road San Diego, CA 92121

Telephone: (858) -431-8500

EPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

| ORTING FACILITY (List all loo | Kaliona | FACILITY L | OCATIONS (Sites) - See Ali | sheets if necessary c | or use APHIS Form 7023A 1 | |
|-----------------------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| | WATER CONT | TROL OF RESEARCH F | FACILITY (Attach additiona | E. Number of animals or research, surgery or | upon which teaching, experiments, upon which teaching, experiments, upon which teaching, experiments, upon tests were conducted involving or distress to the animals and for whom or distress to the animals and for whom or distress to the animals. | TOTAL NUMBER OF ANIMALS |
| covered | Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, | research, experiments, or experiments, or tests were distress to the animals an distress to the animals and the conducted involving conducted invo | | E. Number of animals upon which conducted involving research, surgery or tests were conducted involving research, surgery or tests were to the animals and for wh accompanying pain or distress to the animals and for wh accompanying pain or distress to the animals and for who accompanying pain or distress to the animals and the reast producing pain or distress in these animals and the reast such drugs were not used must be attached to this report such drugs were not used must be attached to this report. | | (COLUMNS C+D+E) |
| By The Animal Welfare Regulations | research, or surgery but not ye used for such | involving no pain, distress, or use o pain-relieving | for which appropriate, or anesthetic, analgesic, or tranquilizing drugs were used. | | 0 | 0 |
| | purposes. | drugs. | 0 | | 0 | 0 |
| . Dogs | 0 | 0 | 0 | | 0 | 0 |
| 5. Cats | 0 | 0 | 0 | | 0 | 0 |
| 6. Guinea Pigs | 0 | 0 | 0 | | 0 | 0 |
| 7. Hamsters | 0 | | 0 | | 0 | 0 |
| | 0 | 0 | 0 | | 0 | 0 |
| Rabbits Non-human Primates | s 0 | 0 | 0 | | 0 | |
| | 0 | 0 | 0 | | 0 | - |
| 10. Sheep | 0_ | 0 | 0 | | | |
| 11. Pigs | | 0 | | | 0 | |
| 12. Other Farm Anima | | | 0 | | | |
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| 13. Other Animals | | | | | | |
| | | | | | , analgesic, and tranquilizing drugs, prior to | o, during, and following |
| | | <u> </u> | | of anestetic | , analgesic, and tranquilizing diag | |

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actules to the care and tranquilizing drugs and tranquilizing drugs and tranquilizing drugs. Prior to, during, and following actually acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actually acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actually acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actually acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and tollowing actually acceptable standards governing the care, treatment, and use of animals, including appropriate use of animals, and the care acceptable ac ASSURANCE STATEMENTS

 - This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards report. In addition to identifying the IACUC-approved exceptions, this sull institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator.

 In addition to identifying the IACUC-approved exceptions, this surplication is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this surplication is attached to this annual report. In addition to identifying the IACUC approved exceptions, this surplication is attached to this annual report. 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and the oversee that adequacy of other aspects of animal care and the oversee that adequacy of other aspects of animal care and the oversee that adequacy of other aspects of animal care and the oversee that adequacy of other aspects of animal care and the oversee that adequacy of other aspects of animal care and the oversee that adequacy of other aspects of animal care and the oversee that adequacy of other aspects of animal care and the oversee that adequacy of other aspects of animal care and the oversee that adequacy of other aspects of animal care and the oversee that adequacy of other aspects of animal care and the oversee that adequacy of other aspects of animal care and the oversee that are adequacy of other aspects of animal care and the oversee that are adequacy of other aspects of animal care and the oversee that are adequacy of other aspects of animal care and the oversee that are adequacy of other aspects of animal care and the oversee that are adequacy of other aspects of animal care and the oversee that are adequacy of other aspects of animal care and the oversee that are adequacy of other aspects of animal care and the oversee that are adequacy of other aspects of animal care and the oversee that are adequacy of other aspects of animal care and the oversee that are adequacy of other aspects of animal care and the oversee that are adequacy of other aspects of animal care and the oversee that are adequacy of other aspects of animal care and the oversee that are adequacy of other aspects of animal care and the oversee that are adequacy of other aspects of animal care and the oversee that are adequacy of other aspects of animal care and the oversee that are adequacy of other aspects of animal care and the oversee that are adequacy of other aspects of animal care and the oversee that are adequacy of other aspe

| 3) | This facility is addeting the species and number of the explanation of the exceptions, as well as the species and number of the explanation of the exceptions, as well as the species and number of the exceptions, as well as the species and number of the exceptions, as well as the species and number of the exceptions, as well as the species and number of the exceptions, as well as the species and number of the provision of adequation of adequation of the exceptions, as well as the species and number of the provision of adequation of adequation of the exceptions, as well as the species and number of the provision of adequation of adequation of the exceptions, as well as the species and number of the provision of adequation of the exceptions, as well as the species and number of the provision of adequation of the exceptions, as well as the species and number of the provision of adequation of the exceptions, as well as the species and number of the provision of adequation of the exceptions, as well as the species and number of the provision of adequation of the exceptions, as well as the species and number of the provision of adequation of the exceptions, as well as the species and number of the provision of adequation of the exceptions, as well as the species and number of the provision of adequation of the exceptions, as well as the species and number of the provision of adequation of the exceptions, as well as the species and number of the provision of the exception of | | <u></u> | TAC |
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| 4 | Institutional Animal Calculation of the exceptions, as well as the brief explanation of the exceptions, as well as the brief explanation of the exceptions, as well as the brief explanation of the exceptions, as well as the brief explanation of the exceptions, as well as the brief explanation of the exceptions, as well as the brief explanation of the exceptions, as well as the brief explanation of the exceptions, as well as the brief explanation of the exceptions, as well as the brief explanation of the exceptions, as well as the brief explanation of the exceptions, as well as the brief explanation of the exceptions, as well as the brief explanation of the exceptions, as well as the brief explanation of the exceptions, as well as the brief explanation of the exceptions, as well as the brief explanation of the exceptions, as well as the brief explanation of the exceptions, as well as the brief explanation of the exceptions, as well as the brief explanation of the exceptions, as well as the brief explanation of the exceptions, as well as the brief explanation of the exceptions, as well as the brief explanation of the exceptions, as well as the brief explanation of the exceptions, as well as the brief explanation of the exceptions, as well as the brief explanation of the exceptions, as well as the brief explanation of the exceptions. CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY (Chief Executive Officer or Legally Responsible Institutional Official) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) | ent | | 4 |
| SI | IGNATURE OF C.E.O. OR INSTITUTIONAC OFFICIAL Michael Gilman, Ph.D., Executive Vice Preside | | -5 | 2 |

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0314 8227 CUSTOMER NUMBER:

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

La Jolla Institute For Allergy And Immunology 10355 Science Center Drive San Diego, CA 92121

Telephone: (858) -558-3500

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| PORT OF ANIMALS US | SED BY OR UNDER C | CONTROL OF RESEAS | D. Number of animals upon | al sheets if necessarv or use APHIS Form 7023A I E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving research, surgery pain or distress to the animals and for which | F. TOTAL NUMBER |
|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not used for such purposes. | animals upon which teaching, research, experiments, or tests were conducted | teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate | research, surgery or tests were conducted involving accompanying pain or distress to the animals and for whith the use of appropriate anesthetic, analgesic, or tranquilized rugs would have adversely affected the procedures, resor interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report | (COLUMNS |
| Dogs | | | - | | - |
| Cats | | | | | + |
| Guinea Pigs | | | | | |
| . Hamsters | | | | | |
| . Rabbits | | | | | |
| . Non-human Primates | 5 | | | | |
| 0. Sheep | | | | | - |
| 1. Pigs | | | | | |
| 12. Other Farm Animals | s | There wer | re no covered anim | mals in this reporting period | |
| 13. Other Animals | | | | | |
| | | | | | |
| | | | | | |

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual restances to the standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual restances to the standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual restances to the standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual restances to the standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual restances to the standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual restances to the standard governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual restances to the standard governing the care, treatment, and the standard governing the care, treatment, and the standard governing the care, the standard g ASSURANCE STATEMENTS teaching, testing, surgery, or experimentation were followed by this research facility.

 - This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and a latest 2) Each principal investigator has considered alternatives to painful procedures.
 - 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use. CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) Mitchell Kronenberg, Ph.D.

DATE SIGN 1-30-

(Replaces VS FORM 18-23 (OCT/88), which is obsolete.)

President & Scientific Director

APHIS FORM 7023 (AUG 91)

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0317 CUSTOMER NUMBER: 1107

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

B D Biosciences-Pharmingen 10975 Torreyana Road San Diego, CA 92121

Telephone: (858) -812-8800

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| REPORT OF ANIMALS U | SED BY OR UNDER (| CONTROL OF RESEARC | H FACILITY (Attach additiona | I sheets if necessary or use APHIS Form 7023A) E. Number of animals upon which teaching, experiments, | F. |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not y€ used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon whild reaching, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for when the use of appropriate anesthetic, analgesic, or tranquilized rugs would have adversely affected the procedures, resor interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reask such drugs were not used must be attached to this report | TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
| 4. Dogs | | | | | |
| 5. Cats | | | | | |
| 6. Guinea Pigs | | | | | |
| 7 amsters | | | | | |
| 8. Rabbits | | | | | |
| 9. Non-human Primates | | | | 1 c manufil | |
| 10. Sheep | | NOTE: W | e certify that | Animal Welfare Regul | مادم |
| 11. Pigs | | Ċo | vered by the | Animal Weltare regul | ancos |
| 12. Other Farm Animals | | 3 | | | |
| | | ,, | climber distin | ig tiscal year october | 4) 100 |
| 13. Other Animals | | | mough Septe | in ber 30,2004: Floring | |
| | | p | nie during t | his reporting period | |
| | | | | | and following actual re |

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual reserved to the care of the control of the care of th ASSURANCE STATEMENTS teaching, testing, surgery, or experimentation were followed by this research facility.
 - 2) Each principal investigator has considered alternatives to painful procedures.
 - This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately account to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations are specified and explained by the principal investigator and approximately account to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations are specified and explained by the principal investigator and approximately account to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations are specified and explained by the principal investigator and approximately account to the standards and regulations are specified and explained by the principal investigator and approximately account to the standards are specified and explained by the principal investigator and approximately account to the standards are specified and explained by the principal investigator and approximately account to the standards are specified and explained by the principal investigator and approximately account to the standards are specified and explained by the principal investigator and approximately account to the standards are specified and explained by the principal investigator and approximately account to the standards are specified and explained by the principal investigator and approximately account to the standards are specified and explained by the principal investigator and approximately account to the standards are specified and explained by the principal investigator and approximately account to the standards are specified and explained by the principal investigator and approximately account to the standards are sp Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in the content of the exception of brief explanation of the exceptions, as well as the species and number of animals affected.
 - 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) JOHN Miller VPEGM

DATE SIGNED 9,36,09

APHIS FORM

SIGNATU

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

(AUG 91)

007 - 8 2014

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

93-R-0323 1. CERTIFICATE NUMBER: CUSTOMER NUMBER: 8225

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Santa Clara University 500 El Camino Real Santa Clara, CA 95053

Telephone: (498) -554-4100

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasc such drugs were not used must be attached to this report | F. TOTAL NUMBER OF ANIMALS (COLUMNS |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| | parpoon. | drugs. | used. | 0 | |
| 4. Dogs | 0 | 0 | | O | 0 |
| 5. Çats | . 0 | 0 | 0 | 0 | 0 |
| 6. Guinea Pigs | 0 | 0 | 0 | 0 | 0 |
| 7. Hamsters | 0 | 0 | 0 | 0 | 0 |
| 8. Rabbits | 0 | 0 | 0 | 0 | 0 |
| Non-human Primates | | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | | 0 |
| 10. Sheep | 0 | 0 | 0 | 0 | 0 |
| 11. Pigs | | 0 | 0 | 0 | |
| 12. Other Farm Animals | 0 | + | | | 0 |
| 13. Other Animals | 0 | 0 | O | O | + |
| | | | | | |

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual respection, testing, surgery or experimentation were followed by this recently facility. ASSURANCE STATEMENTS teaching, testing, surgery, or experimentation were followed by this research facility.

 - 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and a locality is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and a locality is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and a locality is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations to identify the identification of the standards and regulations under the Act, and it has required that exceptions to the standards and regulations to identify the identification of the iden Inis facility is agnering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and a statched to this annual report. In addition to identifying the IACUC-approved exceptions, this summary brief contending of the condition of the supervisor of the supe
 - 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DOY DODSON, VICE PROVOST FOR ACADEMIC AFFAIRS (LEGALLY RESPONSIBLE INSTITUTIONAL

Son Dodson (Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

OFFICIAL

APHIS FORM 7023 (AUG 91)

DATE SIGNE

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 93-R-0326

CUSTOMER NO 1102

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) BIO-DEVICES LABORATORIES

P.O. BOX 747 ORANGE, CA 92856 (714) 639-9501

| | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | 1 | (714) 639-9501 | nal |
|---------------------------------------|-----------------------------------------|------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| (| | i adia sah | al research, testing, teaching, o | (714) 639-9501 rexperimentation, or held for these purposes. Attach addition | <u></u> |
| EPORTING FACILITY (List all I | ocations where animals w | ere housed or used in acti | Jai research, toomas | | |
| sheets if necessary.) | | FAC | ILITY LOCATIONS (sites) | | |
| | | | | | |
| e Attached Listing | | | | | |
| | | | | | |
| | | | | | |
| 1 | | | · | | |
| | • | | Laborta if neces | E. Number of animals upon which teaching. experiments, research, surgery or tests were | |
| · · · · · · · · · · · · · · · · · · · | OR UNDER CONTROL O | F RESEARCH FACILITY | Attach additional sneets in necco | E. Number of animals upon which teaching. | F. |
| PORT OF ANIMALS USED BY | B. Number of | C. Number of | Number of animals upon which experiments, | Number of animals upon which teaching experiments, research, surgery or tests were conducted involving accompanying pain or distress conducted involving accompanying pain or distress conducted involving accompanying pain or distress conducted involving accompanying pain or distress. | TOTAL NO. OF ANIMALS |
| , | animals being | animals upon which teaching, | teaching research, | conducted involving accompanying period to the animals and for which the use of appropriate to the animals and for which the use of appropriate | |
| Animals Covered | bred, conditioned, or | research, | surgery, or tests were conducted involving | anesthetic, analgesic, or transported the procedures, results, or | (Cols. C+ |
| By The Animal Welfare Regulations | held for use in | experiments, or tests were | accompanying pain or | interpretation of the teaching, research, | D + E) |
| 170.10.10 | teaching, testing, experiments, | conducted | distress to the animals and for which appropriate | experiments, surgery, or tests. If the series in these | |
| | research, or | involving no pain, distress, or | anesthetic, analgesic, or | | |
| | surgery but not yet used for such | use of pain- | tranquilizing drugs were used. | must be attached to this report) | |
| | purposes. | relieving drugs. | | | 149 |
| | 22 | | 149 | | |
| 4. Dogs | 23 | | | | |
| | | Į. | | | |
| 5. Cats | | | | | |
| | | | | | |
| Guinea Pigs | | | | | |
| - 11tore | | | | | |
| 7. Hamsters | | | | | + |
| 8. Rabbits | | | | | |
| o. rassite | | Į. | | | |
| 9. Non-Human Primates | | | | | |
| | | | | | 29 |
| 10. Sheep | | | 10 | | 061 |
| | | | 29 | | 1 |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| 12. Other Farm Australia | | | | | |
| | | | | | |
| | | | | | |
| 13. Other Animals | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | 1 | | | |

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research teaching testing surgery or experimentation were followed by this research facility. and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

| | addition to identifying the IACOC-approve | pority to ensure the provision of adequate veterniary | |
|-----|-----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| | addition to identifying the incoordapproper The attending vector and use. | TACILITY OFFICIAL | |
| | | HEADQUARTERS RESEARCH FACILITY OFFICIAL Ifficer or Legally Responsible Institutional official) If the correct, and complete (7 U.S.C. Section 2143) | |
| | , CERTIFICATION D | officer or Legally Responsible Institutional Officer | |
| 1 | (Chief Executive O | ove is true, correct, and complete (7 U.S.C. Section 2143) | DATE SIGNED |
| ١ | I certify that the abo | NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) | 1 1 |
| l | | | 11/23/04 |
| SIC | GNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL | Gene A. BORNZIN | 11/23/09 |
| 1 | 4 | GENE 1. | |
| 1 | 01 // // | V. P. Recarch | RT 1 - HEADQUARTERS |
| 1 9 | you H. Bongon | PA | RI I - III - II |
| | 1 | | |

APHIS FORM 7023 (AUG 91)

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0333 CUSTOMER NUMBER: 1099

FORM APPROVED OMB NO. 0579-0036

F.

ANNUAL REPORT OF RESEARCH FACILITY

C.

B. Number of animal

Number of

(TYPE OR PRINT)

The Fertility Institute Of California 1515 Ygnacio Valley Rd, Ste L Walnut Creek, CA 94598

Telephone: (925) -945-1628

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

E. Number of animals upon which teaching, experiments,

research, surgery or tests were conducted involving

FACILITY LOCATIONS (Sites) - See Atached Listing

D. Number of animals upon

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS Form 7023A)

| Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | animals upon animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | research, surgery or tests were contributed in a companying pain or distress to the animals and for where the use of appropriate anesthetic, analgesic, or tranquilized rugs would have adversely affected the procedures, restor interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reason such drugs were not used must be attached to this report. | TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| 1. Dogs | | | | | |
| 5. Cats | | | | | (A) |
| 6. Guinea Pigs | | | 0.5 | 1 | SO 12 |
| 7. Hamsters | 6 | | 92 | | 1000 |
| 8. Rabbits | | | | | |
| 9. Non-human Primates | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | - | | |
| 12. Other Farm Animals | | · | | | |
| | | | | | |
| 13. Other Animals | | | | | - |
| · | | | | c | |
| | | | | | |
| | | | | | |
| ASSURANCE STATEME | | | | se of anestetic, analgesic, and tranquilizing drugs, prior to, during, | and following actual rece |

- teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered atternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately the principal investigato Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in held explanation of the exceptions. brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF SEO. OR INSTITUTIONAL DEFICIAL NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

Glenn_

DATE SIGNED

APHIS FORM 7023 (AUG 91)

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0339 CUSTOMER NUMBER: 1236

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Surgical Simulation Training Center 10625 Nuevo Court Fontana, CA 92335

Telephone: (909) -875-1019

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| REPORT OF ANIMALS US Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report | F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E |
|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| Dogs | | | 43 | | |
| 5. Cats | · . | , | | | |
| 6. Guinea Pigs | | | | | 1 |
| 7. Hamsters | | | | | 130 |
| 8. Rabbits | | | /30 | | |
| 9. Non-human Primates | | | | | 8 |
| 10. Sheep | | | 8 | - | 122 |
| 11. Pigs | | | 122 | | |
| 12. Other Farm Animals | | | | | 3 |
| GOAT | | | 3 | | |
| 13. Other Animals | | | | c | |
| | | | | | |
| | | 1 | | | |

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual reserving techniq ASSURANCE STATEMENTS teaching, testing, surgery, or experimentation were followed by this research facility.

 - 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and appropriate the standards and regulations are standards and regulations. 2) Each principal investigator has considered atternatives to painful procedures. Inits facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and appropriate the standards and regulations are standards and regulations be specified and explained by the principal investigator and appropriate formula to the standards and regulations and explained by the standards and regulations of the standards and explained by the principal investigator of the standards and regulations of the standards and regulations are standards and regulations of the standards are standards and regulations of the standards and regulations are standards are standards.
 - 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

PRESIDENT

B. Number of animal

being bred,

animals upon

which teaching,

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE See attached form for additional information Interagency Report Control No.:

93-R-034 1. CERTIFICATE NUMBER: 1247 CUSTOMER NUMBER:

E. Number of animals upon which teaching, experiments, accompanying pain or distress to the animals and for wh

the use of appropriate anesthetic, analgesic, or tranquiliz

drugs would have adversely affected the procedures, res

or interpretation of the teaching, research, experiments,

FORM APPROVED OMB NO. 0579-0036

TOTAL NUMBER

OF ANIMALS

(COLUMNS

Reproductive Specailty Laboratories, Inc 4900 Barranca Parkway, Ste 103 ANNUAL REPORT OF RESEARCH FACILITY Irvine, CA 92604 (TYPE OR PRINT)

Telephone: (949) -726-0630

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS Form 7023A)

which experiments,

teaching, research,

surgery, or tests were

| Animals Covered By The Animal Welfare Regulations | conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yeused for such purposes. | which featuring, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | drugs would have deaching, research, experiments or interpretation of the teaching, research, experiments surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasc producing pain or distress in these animals and the reasc such drugs were not used must be attached to this report such drugs were not used must be attached to this report. | C+D+E) |
|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| Dogs | | | | | |
| i. Cats | | - | | W | 360 |
| 6. Guinea Pigs | | 7/0 | - A | - B | |
| 7. Hamsters | 30 | 360 | | | |
| 8. Rabbits | | | | | |
| 9. Non-human Primates | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | - | | | | |
| | | | | | |
| 13. Other Animals | | | | | |
| | | | | | |
| | | | | | |
| | | | | iate use of anestetic, analgesic, and tranquilizing drugs, prior to, dur | ring, and following a |

- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator are legitly in adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator are legitly in adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator are legitly in adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations to identifying the IACLIC approach of the standards are required that exceptions is adhering to the standards and regulations to identifying the IACLIC approach of the standards are required that exceptions is adhering to identify the IACLIC approach of the standards are required that exceptions is adhering to identify the IACLIC approach of the standards are required that exceptions is adhering to identify the IACLIC approach of the standards are required that exceptions is adhering to identify the IACLIC approach of the standards are required that exceptions is adhering to identify the IACLIC approach of the standards are required that exceptions is adhering the IACLIC approach of the standards are required that exceptions is adherent to identify the IACLIC approach of the IACLIC approach o This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator at Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary of an investigator and the exceptions are wall as the exceptions are wall as the exceptions. 2) Each principal investigator has considered alternatives to painful procedures.
- veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and us Insulutional Animal Care and use committee (IACUC). A summary of an such exceptions brief explanation of the exceptions, as well as the species and number of animals affected. 4) The attending DATES

| has appropriate authority to ensure | (the provide | DOLL FACILITY OFFICIAL |
|-------------------------------------------------------------------------------------------|----------------------|--------------------------|
| has appropriate authority to ensure CERTIFICATION BY HEAI (Chief Executive Officer | DQUARTERS RESE | ARCH PAGILITY Official) |
| CERTIFICATION BY THE | or Legally Responsit | ole institutional of |
| (Chief Executive Officer | 0. 205 | - OR INSTITUTIONAL OFFI |
| . ` | | DINCTITUTIONAL OFF |

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) br institutional of SIGNATURE OF C.E.O.

(Replaces VS FORM)18-23 (OCT 88), which is obsolete.) APHIS FORM 7023

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 215 See attached form for additional information. A Ly K. Suland Interagency Roport Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0348

CUSTOMER NUMBER: 1249

FORM APPROVED OMB NO. 0579-0036 5muth

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Berlex Biosciences 2600 Hilltop Drive Richmond, CA 94804 COPY FOR YOUR INFORMATION

Telephone: (510) -262-5000

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

2600 Hilltop Dr.

FACILITY LOCATIONS (Sites) - See Atached Listing

| | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for whith the use of appropriate anesthetic, analgesic, or tranquilized drugs would have adversely affected the procedures, resor interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report | F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| . Dogs | 0 | 20- | 1 | 2 | 23 |
| 5. Cats | 0 | 0 | 0 | 0 | 10 |
| 6. Guinea Pigs | 0 | 0 | 0 | 0. | 0 |
| 7. Hamsters | 0 | 132 | 26 | 0 | 1.5.8 |
| 8. Rabbits | 0 | 12 | 1 0 | 0 | 12 |
| 9. Non-human Primates | 0 | 0 | 0 | 0 | 0 |
| 10. Sheep | 0: | 0 | 0 | 0 | 0 |
| 11. Pigs | 0 | 0 | 0 | 0 | <u> </u> |
| 12. Other Farm Animals | 0 | 0. | 0 | 0 | 0 |
| | • | | 0 | 0 | 0 |
| 13. Other Animals | 0. | 0. | 0. | 0. | 0. |
| | | | | | |
| | | | | | |
| | 1 | | · | | |

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquitizing drugs, prior to, during, and following actual research teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print))

DATE SIGNED

H. Daniel Perez, M.D. President, CSO 11-5-0

OR INSTITUTIONAL OFFI SIGNATURE OF C.E.Q

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

APHIS FORM 7023 (AUG 91)

report is required by law (7 USC 2143). Failure to report according to the regulations can 3's an offer o cease and desist and to be subject to penalties as provided for in Section 215

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

See attached form for additional information.

12-04 FORM APPROVED

CC KIM FOILE Control No.:

1. CERTIFICATE NUMBER: 93-R-0353 CUSTOMER NUMBER: 1253

OMB NO. 0579-0036

The Parkinson'S Institute 1170 Morse Avenue

COPY FOR YOUR INFORMATION

Sunnyvale, CA 94089

Telephone: (408) -734-2800

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

142,143

FACILITY LOCATIONS (Sites) - See Atached Listing

| Animal Facilit | yroums 136 |), 136 FACILITY | Y LOCATIONS (Sites) - See A | al sheets if necessary or use APHIS Form 7023A) | F. |
|------------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| REPORT OF ANIMALS U | SED BY OR GROEN | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report | TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
| 4. Dogs | | | | | |
| 5. Cats | | | | | |
| 6. Guinea Pigs | | | | | 1 |
| 7. Hamsters | | | | | 11/2 |
| 8. ·Rabbits | | | 0 | 46 | 70 |
| 9. Non-human Primates | | 30 | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| 13. Other Animals | | | | | |
| | | | | | |
| | | | | | og and following actual r |

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual reservables tooling appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual reservables tooling appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual reservables to the control of t ASSURANCE STATEMENTS teaching, testing, surgery, or experimentation were followed by this research facility.

 - 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and appropriate the facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and appropriate the facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations to idealifying the IACHO appropriate the IACHO appropriate that exceptions is attached to this appropriate that the IACHO appropriate the IACHO appropriate that exceptions is attached to this appropriate that the IACHO appropriate the IACHO appropriate that the IACHO appropriate that the IACHO appropriate that the IACHO appropriate that the IACHO appropriate the IACHO ap 2) Each principal investigator has considered alternatives to painful procedures. Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in the properties of the appendices as well as the assertions and approved the appendices as well as the assertions and approved the appendices as well as the assertions and approved the appendices as well as the assertions and approved the appendices as well as the assertions and approved the appendices as well as the assertions and approved the appendices as well as the assertions and approved the appendices as well as the assertion and approved the appendices as well as the assertion and approved the appendices as well as the assertion and approved the appendices as well as the assertion and approved the appendices as well as the assertion and approved the appendices as well as the assertion and approved the appendices as well as the assertion and approved the appendices as well as the assertion and approved the appendices as well as the assertion and approved the appendices as well as the assertion and approved the appendices as well as the assertion and approved the appendices as well as the assertion as the appendices as well as the assertion and appendices as well as the assertion and appendices as well as the assertion and appendices are all appendices are all appendices and appendices are all appendices are all
 - 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF 9 E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

NUV 2 4 2004

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 21! See attached form for additional information. Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0358 CUSTOMER NUMBER: 8231

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Questcor Pharmaceuticals, Inc. 3260 Whipple Road Union City, CA 94587

Telephone: (510) -400-0700

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| | ICED BY OR LINDER C | ONTROL OF RESEARC | H FACILITY (Attach additional | sheets if necessary or use APHIS Form 7023A 1 | |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| A. Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the enimals and for whith the use of appropriate anesthetic, analgesic, or tranquilized drugs would have adversely affected the procedures, resion interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report.) | F. TOTAL NUMBER OF ANIMALS (COLUMNS |
| 4. Dogs | | - | | | |
| 5. Cats | | | | 4.5 | |
| 6. Guinea Pigs | | | 2) 60 | | |
| 7. Hamsters | | | Les sec | | |
| 8. Rabbits | | | U D | | |
| 9. Non-human Primates | | | ON | | |
| 10. Sheep | | 5160 | \v'\ | | |
| 11. Pigs | | Rea 20 | | | |
| 12. Other Farm Animals | | No | | | - |
| | | | | | |
| 13. Other Animals | | | | | + |
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ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual rese teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and applicable to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations to the standards are required to the standards and regulations to the standards are required to the standards and regulations to the standards are required to the standards and regulations to the standards are required to the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary included in the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes the institutional Animal Care and Use Committee (IACUC). brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

| The attending veterinarian for this research facility has appropriate containing. CERTIFICATION B (Chief Executive | Y HEADQUARTERS RESEARCH FACILITY OFFICIAL Officer or Legally Responsible Institutional Official) | |
|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------|
| SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL | NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) OFFICE OF THE PRESIDENT | DATE SIGNED |

APHIS FORM 7023 (AUG 91)

(Fleplaces VS FORM 18-23 (OCT 88), which is obsolete.)

DEC - 9 2004

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0360 **CUSTOMER NUMBER:** 1269

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Protein Design Labs, Inc. 34801 Campus Drive Fremont, CA 94555

Telephone: (510) -574-1400

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| REPORT OF ANIMALS I | JSED BY OR UNDER C | ONTROL OF RESEAR | CH FACILITY (Attach additiona | sheets if necessary or use APHIS Form 7023A) | |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| A. Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasc such drugs were not used must be attached to this report | F. TOTAL NUMBER OF ANIMALS (COLUMNS |
| 4. Dogs | | | | | |
| 5. Cats | | | | | |
| 6. Guinea Pigs | | | | | |
| 7. Hamsters | | | 12 | | 12 |
| 8. Rabbits | _ | | 24 | | 24 |
| 9. Non-human Primates | | - | | | |
| 10. Sheep | | | | · | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| | | | | | |
| 13. Other Animals | | | | | |
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ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and app. Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL

DATE SIGNED

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

(AUG 91)

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0361 CUSTOMER NUMBER: 1270

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Pharmacyclics 995 E. Arques Avenue Sunnyvale, CA 94086

Telephone: (408) -774-0330

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| | TO BY OR UNDER C | ONTROL OF RESEAR | CH FACILITY (Attach additional | al sheets if necessary or use APHIS Form 7023A) | |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| A. Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasc such drugs were not used must be attached to this report | TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
| 4. Dogs | | | | | |
| 5. Cats | | | | | • |
| 6. Guinea Pigs | | | | | |
| 7. Hamsters | | | | Ø | 14 |
| 8. Rabbits | | Ø | 14 | | |
| 9. Non-human Primates | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| | | | | | |
| 13. Other Animals | | | | | |
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ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and appropriate in the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and appropriate in the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and appropriate investigator and principal in brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

| The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary of CERTIFICATION BY HEADQUARTERS RESEARCH FACIL (Chief Executive Officer or Legally Responsible Institution | ILITY OFFICIAL | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|-------------|
| | | |
| DINGT. | STITUTIONAL OFFICIAL (Type or Print) PASSINGER, CAUMILLAN OF PRINTS | DATE SIGNED |

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

NOO - 2 200M

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0362/ CUSTOMER NUMBER: 1272

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Institute Of Critical Care Medicine 1695 N. Sunrise Way Palm Springs, CA 92262

Telephone: (760) -778-4911

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| | B. 1 | Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. | Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. | Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for who the use of appropriate anesthetic, analgesic, or tranquilized drugs would have adversely affected the procedures, resor interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasc such drugs were not used must be attached to this report |
|-----------------------|------|------------------------------------------------------------------------------------------------------------------------------------------------------|----|----------------------------------------------------------------------------------------------------------------------------------------------------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dogs | | | | | - | | |
| Cats | | | 1 | | 1 | | |
| Guinea Pigs | | | 1 | | + | | |
| Hamsters | | | 1 | | + | | |
| . Rabbits | | | 1 | | + | | |
| . Non-human Primates | | | 1 | | + | | |
|). Sheep | I | | 1 | | + | | 13 |
| 1. Pigs | I | | 1 | | + | 136 | |
| 2. Other Farm Animals | | | | | + | | |
| | | | | | 1 | | |
| 3. Other Animals | + | | | | _ | | |
| | + | | 1 | | 1 | | 0 |
| | + | | 7 | | | | |

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research teaching, testing, surgery, or experimentation were followed by this research facility.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately appro Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary interference and use committee (IACUC). A summary of all such exceptions is attached to this annual report. brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) JOE BISERA, UP ENGR

DATE SIGNED

APPLIS FORM 7023 (AUG 91)

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 215

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-036 CUSTOMER NUMBER:

See attached form for additional information.

FORM APPROVED

Interagency Report Control No.:

OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

B L P Bio Lab Services 1115 Marine View Drive Vista, CA (92083)

180£P

Telephone: (760) -941-3430

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| | | TOOL OF DECEMPO | H FACILITY (Attach additiona | al sheets if necessary or use Al 1110 | F. |
|------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| EPORT OF ANIMALS US Animals Covered By The Animal Welfare Regulations | BY OR UNDER CO Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | NTROL OF RESEARC C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, resor interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasc such drugs were not used must be attached to this report | TOTAL NUMBE OF ANIMALS (COLUMN C + D + E |
| Dogs | | | | | - |
| . Cats | | | | | 1 |
| . Guinea Pigs | | | | | 1 |
| 7. Hamsters | | | | | 2400 |
| 8. Rabbits | 200 | 2400 | | | |
| 9. Non-human Primates | | | | | |
| 10. Sheep | | - | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | - | | | | |
| 13. Other Animals | | | | | |
| | | | | | |
| | | | | of apoctatic analoesic, and tranquilizing drugs, prior to, duri | |

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual reservoirs, tearing, support or experimentation were followed by this research facility. ASSURANCE STATEMENTS teaching, testing, surgery, or experimentation were followed by this research facility.

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and appropriate facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and appropriate facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and appropriate facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations to addition to identify the act of the standards and regulations are also account. 2) Each principal investigator has considered alternatives to painful procedures. Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in this contention of the exceptions are used to the exceptions of the exceptions.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED 10/27/04

APHIS FORM 7023 (AUG 91)

Missila

Q (Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

NOV - 2 2004

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0364 CUSTOMER NUMBER: 1278

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Sierra Bio Source, Inc. 260 Cochrane Circle, Ste E 380 woodview Ave.

Morgan Hill, CA 95037

Telephone: (408) -779-4533

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Marchad Listing 1180 C Day Rd, Gilroy, CA 95020

| DEDORT OF ANIMALS ! | ISED BY OR UNDER C | ONTROL OF RESEAR | CH FACILITY (Attach additiona | al sheets if necessary or use APHIS Form 7023A) | |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| A. Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasc such drugs were not used must be attached to this report | F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
| 4. Dogs | | | | | 0 |
| 5. Cats | | | | | 0 |
| 6. Guinea Pigs | | | | | 0 |
| 7. Hamsters | | | | | 0 |
| 8. Rabbits | | | | | 0 |
| Non-human Primates | | | | | 0 |
| | | | | | 0 |
| 10. Sheep | | | | | 0 |
| 11. Pigs | | | | | 0 |
| 12. Other Farm Animals | | * | | | |
| | | | | | 0 |
| 13. Other Animals | · | | | | 0 |
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ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately appro Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

William R. Srigley, General Manager

DATE SIGNED 1411/04

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

NOV 1 5 2004 ~

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0367 P CUSTOMER NUMBER: 1296

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Applied Molecular Evolution (A Wholly Owned Subsidiary Of Eli Lilly & Co) 3520 Dunhill Street San Diego, CA 92121

Telephone: (619) -597-4990

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing AME VIVARIUM, 3520 DUNHILL ST, SAN DIEGO CA 92121

| REPORT OF ANIMALS U | REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS Form 7023A) | | | | | | |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--|--|
| | | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasc such drugs were not used must be attached to this report.) | F. TOTAL NUMBER OF ANIMALS (COLUMNS | | |
| 4. Dogs | 0 | 0 | 0 | 0 | 0 | | |
| 5. Cats | 0 | 0 | 0 | 0 | 0 | | |
| 6. Guinea Pigs | 0 | 0 | 0 | 0 | 0 | | |
| 7. Hamsters | 0 | 0 | 0 | 0 | 0 | | |
| 8. स्टिabbits | 0 | 0 | 0 | 0 | 0 | | |
| 9. Non-human Primates | 0 | 0 | 0 | 0 | 0 | | |
| 10. Sheep | 0 | 0 | 0 | 0 | 0 | | |
| 11. Pigs | 0 | 0 | 0 | 0 | 0 | | |
| 12. Other Farm Animals | 0 | 0 | 0 | 0 | 0 | | |
| | | | | | | | |
| 13. Other Animals | 0 | 0 | 0 | 0 | 0 | | |
| | + | 1 | - | - | | | |
| | - | | | | | | |
| | + | | | | | | |
| | | J | | | | | |

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately appro Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and number of animals affected.
- for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

| 4) The attending veterinarian for this research facility has appropriate authority to ensu | ure the provision of adequate veterinary care and to oversee the adequacy of other aspects of e | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|-------------|
| CERTIFICATION BY HE. | ADQUARTERS RESEARCH FACILITY OFFICIAL er or Legally Responsible Institutional Official) | |
| SIGNATURE OF C.E.S. OR INSTITUTIONAL OFFICIAL | NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) | DATE SIGNED |
| SIGNATURE OF C.E.S.ON INCTITOTIONS OF THE STATE OF THE ST | WILLIAM D. HUSE, M.D., Ph.D. | 11/16/04 |
| APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is obsolete.) | | |

(AUG 91)

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150. See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE REGISTRATION NO. 93-R-0368

CUSTOMER NO. 1297

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

FIBROGEN, INC. 225 GATEWAY BLVD SAN FRANCISCO, CA 94080

FACILITY LOCATIONS(sites) FIBROGEN, INC. SAN FRANCISCO, CA 94080 REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A) Number of animals upon which teaching, D. Number of animals upon B. Number of Number of experiments, research, surgery or tests were which experiments, TOTAL NO. animals upon conducted involving accompanying pain or distress animals being teaching, research, OF ANIMALS which teaching, to the animals and for which the use of appropriate bred. Animals Covered surgery, or tests were research, experiments, or conditioned, or anesthetic, analgesic, or tranquilizing drugs would By The Animal conducted involving (Cols. C+ have adversely affected the procedures, results, or held for use in Welfare Regulations accompanying pain or tests were D + E) teaching, testing, interpretation of the teaching, research, distress to the animals experiments, conducted experiments, surgery, or tests. (An explanation of and for which appropriate the procedures producing pain or distress in these animals and the reasons such drugs were not used research, or involving no anesthetic, analgesic, or surgery but not yet used for such pain, distress, or tranquilizing drugs were use of painmust be attached to this report) purposes. relieving drugs 4. Dogs 5. Cats 6. Guinea Pigs 7. Hamsters 8. Rabbits 9. Non-Human Primates 10. Sheep 11. Pigs 12. Other Farm Animals 13. Other Animals

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other

| aspects of animal care and use. | DESEABOU EACH ITY OFFICIAL | |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------|
| (Chief Executive (| HEADQUARTERS RESEARCH FACILITY OFFICIAL officer or Legally Responsible Institutional official) | |
| t 4's , that the ab | ovo is true correct, and complete (7 U.S.C. Section 2140) | DATE SIGNED |
| SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL | NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) | |
| SIGNATURE OF SIZES OF SIZES | | 10/25/2004 |
| Tom Neff | 085113112036083107109110053032068106108105107038076128110099118118108 122106038086110111105100103117036102116107040082079 | |
| | DART 4 11 | ADOLLADTEDS |

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0369 1298 CUSTOMER NUMBER:

E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving

accompanying pain or distress to the animals and for wh

the use of appropriate anesthetic, analgesic, or tranquiliz

drugs would have adversely affected the procedures, res

FORM APPROVED OMB NO. 0579-0036

TOTAL NUMBER

OF ANIMALS

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Number of animal

conditioned, or

being bred,

A.

Primate Products, Inc. P.O. Box 620415 Woodside, CA 94062

Telephone: (650) -529-0419

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS Form 7023A)

Number of

animals upon

which teaching,

FACILITY LOCATIONS (Sites) - See Atached Listing

Number of animals upon

which experiments,

teaching, research,

surgery, or tests were

| Animals Covered By The Animal Welfare Regulations | held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | research, experiments, or tests were conducted involving no pain, distress, or use o pain-relieving drugs. | conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | drugs would have adversely anected the procedures or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasc such drugs were not used must be attached to this report | (COLUMNS C+D+E |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| . Dogs | | | | | |
| 5. Cats | | | - : | | • |
| 6. Guinea Pigs | | | | | |
| 7. Hamsters | | | | | 10 |
| 8. Rabbits | | | d | 1 | 4 790 |
| 9. Non-human Primates | 790 | <i>P</i> | ψ | Ψ | ~ |
| 10. Sheep | | , | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| | | | | | |
| 13. Other Animals | | | | | |
| | | | <u> </u> | | |
| | | | | | |
| | | | | se of anestetic, analgesic, and tranquilizing drugs, prior to, during, | |

2) Each principal investigator has considered alternatives to painful procedures.

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately the standards and regulations under the Act, and it has required that exceptions to the standards and regulations are standards as a standard and regulations are standards as a standard and regulations are standards as a standard and regulations are standard as a standard as a standard and regulations are standard as a stand Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

2 2 2004

N.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: CUSTOMER NUMBER:

93-R-0370 1300

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Endocrine Technologies, Inc. 35325 Fircrest Street Newark, CA 94560

Telephone: (510) -745-0844

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| A. Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report | TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| 4. Dogs | HA | | | | W/XN |
| 5. Cats | NA | | | | NLL |
| 6. Guinea Pigs | NA | | | | WLL |
| 7. Hamsters | N/A | | | | 1.62 |
| 8. Rabbits | 60 | | | | NIL |
| 9. Non-human Primates | N/A | | | | WIL |
| 10. Sheep | MA | | | | NIL |
| 11. Pigs | NA | | | | NIL |
| 12. Other Farm Animals | NA | | | | TVID |
| | <u> </u> | | | | NIZ |
| 13. Other Animals | N/A | | | | |
| | | | | | |
| | | | | | |

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research ASSURANCE STATEMENTS teaching, testing, surgery, or experimentation were followed by this research facility.
 - 2) Each principal investigator has considered alternatives to painful procedures.
 - This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximate and the standards and regulations be specified and explained by the principal investigator and approximate and the standards and regulations be specified and explained by the principal investigator and approximate and the standards and regulations be specified and explained by the principal investigator and approximate and regulations are standards and regulations be specified and explained by the principal investigator and approximate and regulations are standards and regulations be specified and explained by the principal investigator and approximate and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximate and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximate and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations are standards are standards are standards are standards.
 - 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

| CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) |
|----------------------------------------------------------------------------------------------------------------------------------|
| |

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

PRESIDENT

DATE SIGNED

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

(AUG 91)

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-037 CUSTOMER NUMBER: 1304

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

The Dog Lodge, Inc. 1551 W Lambert Rd. La Habra, CA 90631

Telephone: (562) -691-1152

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for whithe use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, resor interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasc such drugs were not used must be attached to this report | F. TOTAL NUMBE OF ANIMALS (COLUMN C + D + E |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| . Dogs | | 94 | 3 . | | 14 |
| . Cats | | 64 | | | - |
| . Guinea Pigs | | | | | |
| 7. Hamsters | | | | | |
| 3. Rabbits | | | | | 1. |
| 9. Non-human Primates | | 200 | | | |
| 0. Sheep | | | | | 1 |
| 1. Pigs | | | | | |
| 2. Other Farm Animals | | | | | + |
| | | | | * | + |
| 3. Other Animals | | | | | + |
| J. VURI MINIKIS | | | | | |
| | + | - | | • | |
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ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual resulted this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and appropriate the standards and regulations are standards are standards and regulations are standards are standards. Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary is brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

markleh

Sharon Machlik

DATE SIGNED



Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0375 CUSTOMER NUMBER: 1308

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

The Neurosciences Institute Neurosciences Research Foundation, Inc. 10640 John Jay Hopkins Drive San Diego, CA 92121

Telephone: (858) -626-2000

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| REPORT OF ANIMALS U | SED BY OR UNDER C | ONTROL OF RESEAR | CH FACILITY (Attach additiona | I sheets if necessary or use APHIS Form 7023A) | |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| A. Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report | F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
| 4. Dogs | | | | | |
| 5. Cats | | | | | |
| 6. Guinea Pigs | | | | | |
| 7. Hamsters | | | | | |
| 8. Rabbits | | | | | |
| 9. Non-human Primates | 0 | 0 | 0 | 0 | |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| | | | | | |
| 13. Other Animals | | | | | |
| | | | | | |
| 1 | | | | | |
| | | | | | |
| | | <u> </u> | | | |

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research teaching, testing, surgery, or experimentation were followed by this research facility.
- Each principal investigator has considered alternatives to painful procedures.

OF C.E.O. OR INSTITUTIONAL OFFICIAL

- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately appro Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

WM. EINAR GALL, SR. VICE PRESIDENT

SIGNATURE

DRM 18-23 (OCT 88), which is obsolete.)

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 215 See attached form for additional information. Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0377 CUSTOMER NUMBER: 1331

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Ligand Pharmaceuticals, Inc. 10255 Science Center Drive San Diego, CA 92121

Telephone: (858) -550-7888

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

| A. B. Number of animal being bred, conditioned, or held for use in teaching, testing, By The Animal | 0255 Scien | SED BY OR LINDER CO | 入し ONTROL OF RESEAR | CH FACILITY (Attach additiona | l sheets if necessarv or use APHIS Form 7023A) | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| 5. Cats | Animals Covered By The Animal | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were | research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures surgery, or tests of the procedures animals and the reask | F. TOTAL NUMBEL OF ANIMALS (COLUMNS C + D + E |
| 6. Guinea Pigs | 4. Dogs | 0 | 0 | 0 | 0 | |
| 7. Hamsters | 5. Cats | 0 | | 0 | 0 | \(\sigma^2\) |
| 8. Rabbits | 6. Guinea Pigs | 0 | 0 | 0 | 0 | 0 |
| 9. Non-human Primates | 7. Hamsters | 0 | 0 | 0 | 0 | 1 |
| 10. Sheep | 8. Rabbits | 0 | | 0 . | 0 | 1 |
| 11. Pigs | 9. Non-human Primates | 0. | 0 | 0 | 0 | 1 |
| 12. Other Farm Animals 0 0 0 0 0 | 10. Sheep | 0 | \bigcirc | 0 | 0 | |
| | | 0 | 0 | | 0 | + |
| | 12. Other Farm Animals | O | 0 | 0 | 0 | 10- |
| | | | | | | |
| 6 | 13 Other Animals | 10 | 0 | 0 | 0 | \ \(\frac{1}{\cupsilon}\) |
| | | | | | 6 | |
| | | | | | | |

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately appro

| | Institutional Animal Care and Use Committee (IACUC). A Summary of an about | oved exceptions, this summary in |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| 4) | brief explanation of the exceptions, as well as the species and number of animals affected. The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspect. The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspect. The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspect. CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) | |
| SIGI | SNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) Andrés Negro-Vilar MD, PhD Ex. VICE President, Ra'D and CSD | DATE SIGNED |
| APH | HIS FORM 7023 (Replaces VS FORM-18-23 (OCT 88), which is obsolete.) (AUG 91) | |

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0380 CUSTOMER NUMBER:

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Santa Cruz Biotechnology, Inc. 2145 Delaware Avenue Santa Cruz, CA 95060

Telephone: (831) -457-3800

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| REPORT OF ANIMALS | USED BY OR UNDER C | ONTROL OF RESEAR | CH FACILITY (Attach additiona | I sheets if necessary or use APHIS Form 7023A) | |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| A. Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report.) | F. TOTAL NUMBER OF ANIMALS (COLUMNS |
| 4. Dogs | | | | | |
| 5. Cats | 1 | | | | |
| 6. Guinea Pigs | | | | | O - |
| 7. Hamsters | | | | | go V |
| 8. Rabbits | 1,167 | 90 | | | 1,257 |
| 9. Non-human Primates | | | | | |
| 10. Sheep | | | | | ļ |
| 11. Pigs | | | | | 0/ |
| 12. Other Farm Animals | | | | | 130 |
| GEATS | 1,619 | 3,630 | | | 5,249 |
| 13. Other Animals | | | | | (a) |
| DONKEYS | 4 | 9 | | | 4 ps 0/ |
| DONKEYS CATTLE | i | 12 | | | 12/3 |
| | | <u> </u> | | | |

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual rese: teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and app Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and number of animals affected.
- ee the adequacy of other aspects of animal care and use.

| The attending veterinarian for this research facility has appropriate auti- | nority to ensure the provision of adequate veterinary care and to oversee the adequate, and a | |
|-----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------|
| CERTIFICATI (Chief Exec | ON BY HEADQUARTERS RESEARCH FACILITY OFFICIAL cutive Officer or Legally Responsible Institutional Official) | |
| SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL | NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) JOHN P. STEPHENSON, PRESIDENT: CEO | DATE SIGNED |

APHIS FORM Y023 (AUG 91)

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0381 CUSTOMER NUMBER: 1345

FORM APPROVED OMB NO. 0579-0036 Smith

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) COPY FOR YOUR INFORMATION

Tularik, Inc. 1120 Veterans Blvd. San Francisco, CA 94080 2/03/65 m

Telephone: (650) -825-7300

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, resor interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report | TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| 4. Dogs | | | | | |
| 5. Cats | | | | 388 | 383 |
| 6. Guinea Pigs | | | | 300 | |
| 7. Hamsters | L | | | | |
| 8. Rabbits | | | | | |
| 9. Non-human Primates | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| | | | | | |
| 13. Other Animals | | | | | |
| | | | | | |
| | | | | | |

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual res ASSURANCE STATEMENTS teaching, testing, surgery, or experimentation were followed by this research facility.

 - This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and a 2) Each principal investigator has considered alternatives to painful procedures. Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and number of animals affected.
 - 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) MARTIN J. THOOLEN Ph.D. Lushitutional

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0382 CUSTOMER NUMBER: 1288

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Phoenix Pharmaceuticals, Inc. 530 Harbor Blvd Belmont, CA 94002

Telephone: (650) -610-8883

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| A. Animals Covered By The Animal Welfare Regulations | | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report | (COLUMNS C + D + E) |
|-------------------------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 4. Dogs | | | | | |
| 5. Cats | | | | | |
| 6. Guinea Pigs | | | | | |
| 7. Hamsters | | | | | 100 |
| 8. Rabbits | 0 | 120 | 0 | 0 | 120 |
| 9. Non-human Primates | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | · | |
| | | | | | |
| 13. Other Animals | | | | | |
| | | | | 9 | - |
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| | | 1 | | | |

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

| OFD. | opriate authority to ensure the provision of adequate vectorials y TIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL Chief Executive Officer or Legally Responsible Institutional Official) | |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL | NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) | 10 05 04 |

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

1. 6/k

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0384 CUSTOMER NUMBER: 1291

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

I C R C Company 950 Dolan Road Castroville, CA 95012

Telephone: (831) -633-4263

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| REPORT OF ANIMALS U | JSED BY OR UNDER C | ONTROL OF RESEAR | CH FACILITY (Attach addition | al sheets if necessary or use APHIS Form 7023A) | |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| A. Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report.) | F. TOTAL NUMBE OF ANIMALS (COLUMNS C + D + E |
| 4. Dogs | | | , | | |
| 5. Cats | | | | | |
| 6. Guinea Pigs | | | | | |
| 7. Hamsters | | | | | |
| 8. Rabbits | 0 | 1200 | 0 | 0 | 1200 |
| 9. Non-human Primates | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| 13. Other Animals | | | | | |
| K This / | 0+ | will be | ologe d | | |
| by the | nd of | | onth. Date of | closure (Nov. 20/200 | 4-) |
| ASSUFANCE STATEMENT | | | 0 | | |
| Professionally accept | table standards governing the | ne care, treatment, and use | of animals, including appropriate use | e of anestetic, analgesic, and tranquilizing drugs, prior to, during, a | nd following actual re |

- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately appro Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and number of animals affected.
- veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

| CERTIFICAT (Chief Exe | ION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL cutive Officer or Legally Responsible Institutional Official) | |
|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-------------|
| SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL Letician P. Fran | NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) Leticia P. Ticat (owner) | DATE SIGNED |

1291

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

2005

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. CERTIFICATE NUMBER: CUSTOMER NUMBER:

93-R-0384

FORM APPROVED OMB NO. 0579-0036

I C R C Company 950 Dolan Road

Castroville, CA 95012

Telephone: (831) -633-4263

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS Form 7023A) | | | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--|--|
| A. Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yeused for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report | F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) | | |
| 4. Dogs | | | · | - - | | | |
| 5. Cats | | | | | | | |
| 6. Guinea Pigs | | | | | | | |
| 7. Hamsters | | / | | | | | |
| 8. Rabbits | 0 | 245 | 0 | 0 | 245 | | |
| 9. Non-human Primates | | | | | | | |
| 10. Sheep | | | | | | | |
| 11. Pigs | | | | | | | |
| 12. Other Farm Animals | | | | | | | |
| | | | | | | | |
| 13. Other Animals | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | all rabb | its transferre | ed to AG Blo-Lodi | A | | |

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual rese teaching, testing, surgery, or experimentation were followed by this research facility.
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- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and ap Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary inc brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

1632

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0386 CUSTOMER NUMBER:

W

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Palco Labs, Inc. 8030 Soquel Avenue Santa Cruz, CA 95062

Telephone: (831) -476-3151

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing None at this time.

| REPORT OF ANIMALS I | USED BY OR UNDER C | CONTROL OF RESEAR | CH FACILITY (Attach additiona | al sheets if necessarv or use APHIS Form 7023A) | |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| A. Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report | OF ANIMALS (COLUMNS C + D + E) |
| 4. Dogs | · | | | | <u> </u> |
| 5. Cats | | | | | |
| 6. Guinea Pigs | | | | | |
| 7. Hamsters | | | | | |
| 8. Rabbits | • | | | | |
| 9. Non-human Primates | | | | | |
| 10. Sheep | | | | . : | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| | | | | | |
| 13. Other Animals | 0 | | ` <u></u> | , | 0 |
| | | | - | 0 | |
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ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

| | | | ERS RESEARCH FACILITY OFFICIAL | |
|-------------------------------|-----------------|-----------------------------------|-------------------------------------------------------|-------------------|
| | (AC | hief Executive Officer or Legally | y Responsible Institutional Official) | |
| ! | | | | |
| SIGNATURE OF C.E.O. ORANSTITU | TIONAL OFFICIAL | JAME & | TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Pr | nint) DATE SIGNED |
| SIGNATURE OF C.E.O. OKINSTITE | | / // | | امت نیا |
| | | Pau | ıl D. Levin, M.D., Director o | E R&D |
| | | | | |

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 93-R-0387

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITY LOCATIONS(sites)

CUSTOMER NO. 1687

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

sheets if necessary.)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) HOUSE EAR INSTITUTE

2100 W. THIRD STREET, 5TH FLR LOS ANGELES, CA 90057

| | THE CONTROL OF | DESEARCH FACILITY | (Attach additional sheets if neces | sary or use APHIS FORM 7023A) E. Number of animals upon which teaching, | |
|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| PORT OF ANIMALS USED BY (Animals Covered By The Animal Welfare Regulations | B. Number controls of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report) | F. TOTAL NO. OF ANIMAL (Cols. C + D + E) |
| Dogs | | | | | |
| | | | | | |
| Cats | 100 | | | | |
| Guinea Pigs | 109 | | | | |
| . Hamsters | | | | | |
| . Rabbits | | | | | |
| . Non-Human Primates | | | | | |
| 0. Sheep | | | | | |
| I1. Pigs | | | | | ļ |
| | | | | | |
| 12. Other Farm Animals | | | | | |
| | | | | | |
| 13. Other Animals | | | | | |
| | | | | | |
| | | | | | |

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- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other

| aspects of animal care and use. | DEGEAROU EACULITY OFFICIAL | |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|--------------|
| (Ohint Executive C | Y HEADQUARTERS RESEARCH FACILITY OFFICIAL Officer or Legally Responsible Institutional official) | |
| * | pove is true, correct, and complete (7 U.S.C. Section 2143) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) | DATE SIGNED |
| SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL | NAME & TITLE OF C.E.O. OR INSTITUTIONAL STITUTIONAL (1) | |
| | David J. Lim, M.D.; EVP, Research | 10/21/2004 |
| David V. Emili | PART 1 - F | IEADQUARTERS |

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0389 CUSTOMER NUMBER: 1707

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Qed Biosciences, Inc. 10919 Technology Place San Diego, CA 92127

Telephone: (858) -675-2405

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| | ICED BY OR LINDER C | ONTROL OF RESEAR | CH FACILITY (Attach additiona | I sheets if necessary or use APHIS Form 7023A 1 | |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| A. Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reask such drugs were not used must be attached to this report | TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
| 4. Dogs | | | | | |
| 5. Cats | | | | | |
| 6. Guinea Pigs | | | | | |
| 7. Hamsters | | | | 75 | 204 |
| 8. Rabbits | Ø | 204 | Ø | <u> </u> | au |
| 9. Non-human Primates | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | + |
| | | | | | |
| 13. Other Animals | | | | | |
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ASSURANCE STATEMENTS

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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

Jennifer Johnson Manager Operations

APHIS FORM 7023 (AUG 91)

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150. See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 93-R-0390

CUSTOMER NO. 1720

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code) AMYLIN PHARMACEUTICALS 9373 TOWNE CENTRE DRIVE SAN DIEGO, CA 92121

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.) FACILITY LOCATIONS(sites) AMYLIN PHARMACEUTICALS SAN DIEGO, CA 92121 REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A) E. Number of animals upon which teaching, D. Number of animals upon experiments, research, surgery or tests were C. Number of B. Number of TOTAL NO which experiments, conducted involving accompanying pain or distress animals upon animals being OF ANIMALS teaching, research, to the animals and for which the use of appropriate which teaching, surgery, or tests were conducted involving bred. anesthetic, analgesic, or tranquilizing drugs would Animals Covered research. conditioned, or (Cols. C+ By The Animal have adversely affected the procedures, results, or experiments, or held for use in Welfare Regulations D + E) accompanying pain or interpretation of the teaching, research, tests were teaching, testing, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these distress to the animals conducted experiments, and for which appropriate involving no research, or anesthetic, analgesic, or animals and the reasons such drugs were not used surgery but not yet used for such pain, distress, or tranquilizing drugs were use of painmust be attached to this report) used. relieving drugs purposes. 4. Dogs 5. Cats 6. Guinea Pigs 7. Hamsters 8. Rabbits 9. Non-Human Primates 10. Sheep 11. Pias 12. Other Farm Animals

ASSURANCE STATEMENTS

13. Other Animals

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals a
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other

| | The attending veterinarian for this research team, aspects of animal care and use. | THE PERSON DESEABLE FACILITY OFFICIAL | |
|---|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------|
| ſ | CERTIFICATION BY | HEADQUARTERS RESEARCH FACILITY OFFICIAL fficer or Legally Responsible Institutional official) | |
| ١ | I certify that the abo | ove is true, correct, and complete (7 U.S.C. Section 2143) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) | DATE SIGNED |
| | SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICE | | 11/09/2004 |
| | Michael Hanley, IO | Michael Hanley, VP Discovery Research | CUARTERS |
| | Microsoff issues y | PART 1 - H | EADQUARTERS |

This report is required by law (? USC 21 43) Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150

Set reverse side for additionalinformation

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1 CERTIFICATE NUMBER: CUSTOMER NUMBER:

93-R-0391 1737

OMB NO. 0579-0036

2004

sheets if necessary.)

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) MedImmune Vaccines, Inc. 297 North Bernardo Ave Mountain View, CA 94043

Telephone: (650) 919-6500

N

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Atlach additional sheets if necessary or use APHIS FORM 7023A) E, Number of animals upon which teaching D. Number of animals upon experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate animals upon animals being which experiments teaching, research, surgery, or tests were which teaching, TOTALNO Animals Covered bred. anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or By The Anima conditioned, or research, OF ANIMALS conducted involving neld for use in experiments, or Welfare Regulations teaching, testing, tests were accompanying pain or distress to the animals interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in those animals and the reasons such drugs were not used conducted experiments. (Cols. C + D + E) research, or surgery but not yet used for such and for which appropriate involving no pain, distress. or anesthetic, analgesic, or tranquilizing drugs were use of painmust be attached to this report) relieving drugs. 4. Dogs 5. Cats 4 0 4 6. Guinea Pigs 290 290 0 7. Hamsters 8. Rabbits Non-human Primates 10. Sheep 11., Pigs 12. Other Farm Animals 13 Other Animals 1429 0 1429 Ferret 0 0 0 Cotton Rats

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

FACILITYLOCATIONS (Sites)

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during
 and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarianfor this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

| (Chief Executive Officer O | QUARTERS RESEARCH FACILITY OFFICIAL r Legally Responsible Institutional Official) ue, correct, and complete (7 U.S.C. Section 2143). | |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-------------|
| SIGNATURE OF CEO OR INSTITUTIONAL OFFICIAL | NAME & TITLE OF CEO OR INSTITUTIONAL OFFICIAL (Type or Print) | DATE SIGNED |
| P. Patriarca | Peter Patriarca, MD, Vice President of Regulatory Affairs | 11/29/04 |

APHIS FORM 7023 (AUG 91)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0397 CUSTOMER NUMBER: 1753

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

B. Braun Medical Inc. 2525 Mcgaw Avenue Irvine, CA 92614

Telephone: (949) -660-3185

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasc such drugs were not used must be attached to this report | TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| | | 0 | 17 | 0 | 17 |
| . Dogs | 0 | | 0 | 0 | 0 |
| . Cats | 0 | 0 | 0 | 0 | 1,940 |
| i. Guinea Pigs | 51 | 1,940 | 0 | 0 | 45 |
| 7. Hamsters | 0 | 45 | | 0 | 5,579 |
| 3. Rabbits | 188 | 5,093 | 486 | | 0 |
| 9. Non-human Primates | 0 | 0 | 0 | 0 | 4 |
| I0. Sheep | 0 | 0 | 4 | 0 | ļ |
| 11. Pigs | 0 | . 0 | 59 | 0 | 59 |
| 12. Other Farm Animals | N/A | | | | 1 |
| 12. Office y days, success | 11/21 | | | | |
| 13. Other Animals | N/A· | | | | 1. |
| | | | | | · · |
| | | | | | |
| | | | | | |

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual reservations are supported by the care of th teaching, testing, surgery, or experimentation were followed by this research facility. 1)
- 2) Each principal investigator has considered alternatives to painful procedures.

ORINSTITUTIONAL OFFICIAL

- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately appro Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

DATE SIGNED

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) Willem deGoede, COO Executive Vice President 11/5/04

(Replaces VS FORM 18-2) (OCT 88), which is obsolete.)

(AUG 91,)

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0398 CUSTOMER NUMBER: 1761

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Comparative Biosciences, Inc. 2672 Bayshore Parkway Suite 515 Mountain View, CA 94043

Telephone: (650) -404-0940

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| | | | W. E. Cu ITV / Attach additional | sheets if necessary or use APHIS Form 7023A) | |
|-------------------------------------------------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| A. Animals Covered By The Animal Welfare Regulations | | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report | TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
| 4. Dogs | | | 24 | | 0 |
| 5. Cats | | | 0 | | 13 . |
| 6. Guinea Pigs | | | 2 | | 73 |
| 7. Hamsters | | | 13 | - | 296 |
| 8. Rabbits | | | 296 | | 216 |
| 9. Non-human Primates | | | 0 | - | |
| 10. Sheep | 11/ | / | 0 | | 0 |
| 11. Pigs | | | 0 | | 0 |
| 12. Other Farm Animals | | | 0 | | |
| | X | 1 - / | | | |
| 13. Other Animals | 1 | 1/- | 0 | | |
| | | | | - | |
| | / | <u></u> | | 1 | |

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and app. Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print

DATE SIGNED istatou

APHIS FORM 7023

(AUG 91/)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

APOL MESCHTER DVM
PhD

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0401

FORM APPROVED OMB NO. 0579-0036

CUSTOMER NUMBER:

Intuitive Surgical

1768

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

950 Kifer Road Sunnyvale, CA 94086

Telephone: (408) -523-2100

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| DEPORT OF ANIMALS L | USED BY OR UNDER (| CONTROL OF RESEAR | CH FACILITY (Attach additions | al sheets if necessarv or use APHIS Form 7023A) | |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| A. Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reass such drugs were not used must be attached to this report | TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
| 4. Dogs | | | 6 | | 6 |
| 5. Cats | | | | | |
| 6. Guinea Pigs | | | | | |
| 7. Hamsters | | | | | |
| 8. Rabbits | | | | | <u> </u> |
| 9 Non-human Primates | | | · | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | 65 | | 65 |
| 12. Other Farm Animals | | | | | |
| | | | | | |
| 13. Other Animals | | | | | |
| | | | | • | |
| | | | | | |
| | | | | | |

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and app. Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL ief Executive Officer or Legally Responsible Institutional Official)

UTIONAL OF VCIA 6 F C.E.O. OR SIGNATURE

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

7023 PHIS FOR (AUG/91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

NOV 3 0 2004

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 93-R-0404

CUSTOMER NUMBER: 1785

FORM APPROVED OMB NO. 0579-0036

Molecular Diagnostic Services, Inc. 4204 Sorrento Valley Blvd, Ste F ANNUAL REPORT OF RESEARCH FACILITY San Diego, CA 92121 (TYPE OR PRINT)

Telephone: (858) -450-9990

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| | | | TY LOCATIONS (Siles) | the Management of use APHIS Form 7023A | |
|------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| REPORT OF ANIMALS U Animals Covered By The Animal Welfare Regulations | SED BY OR UNDER C B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | CH FACILITY (Attach addition D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthellc, analyesic, or tranquiliz drugs would have adversely affected the procedures, resor interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasc such drugs were not used must be attached to this report | TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
| 4. Dogs | | | | | |
| 5. Cats | | | | | 24 |
| 6. Guinea Pigs | | 34 | | | |
| 7. Hamsters | | | | | 12 |
| 8. Rabbits | | 12 | | | |
| 9. Non-human Primates | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| 13. Other Animals | | | | | |

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual respective design and tranquilizing drugs, prior to, during, and following actual respective design and tranquilizing drugs, prior to, during, and following actual respective design and tranquilizing drugs, prior to, during, and following actual respective design and tranquilizing drugs, prior to, during, and following actual respective design and tranquilizing drugs, prior to, during, and following actual respective design and tranquilizing drugs, prior to, during, and following actual respective design and tranquilizing drugs, prior to, during, and following actual respective design and tranquilizing drugs, prior to, during, and following actual respective design and tranquilizing drugs are proportionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of animals, and tranquilizing drugs are prior to the contract of the ASSURANCE STATEMENTS teaching, testing, surgery, or experimentation were followed by this research facility.

 - 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and applicable of the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and applicable of the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and applicable of the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and applicable of the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations are standards are standards. This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and a institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary
 - 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

DATE SIGNE

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFF

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.) APHIS FORM 7023

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 215

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0405 CUSTOMER NUMBER: 1789

See attached form for additional information. Interagency Report Control No.:

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Xenogen Corporation 860 Atlantic Ave Alameda, CA 94501

Telephone: (510) -291-6100

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| | | | 1 Juliana | al cheets if necessary or use APHIS Form 7023A) | |
|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|
| REPORT OF ANIMALS U. Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, resor interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report | TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
| 4. Dogs | Ó | 0 | 0 | 4 | 0 |
| 5. Cats | 0 | 0 | 0 | - | 0 |
| 6. Guinea Pigs | 0 | 0 | 0 | Q | 0 |
| 7. Hamsters | Ð | 0 | \ | \triangle | 0 |
| 8. Rabbits | 0 | 0 | 1 2 | 0 | 0 |
| 9. Non-human Primates | 0 | 0 | \ | 0 | 0 |
| 10. Sheep | 0 | 0 | 0 | 4 | 0 |
| 11. Pigs | 0 | ₽ | <u> </u> | 0 | 0 |
| 12. Other Farm Animals | 0 | | & | | |
| | | | | 0 | 0 |
| 13. Other Animals | 0 | 0 | 0 | 0 | |
| | | | | | |
| | | | | | |
| | | | | | |

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual reservables to the control of the care of th ASSURANCE STATEMENTS teaching, testing, surgery, or experimentation were followed by this research facility.

 - 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately appro Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in both explanation of the expensions at the expensions of the expensions.
 - 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

OR INSTITUTIONAL OFFICE SIGNATURE OF CE.O

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DAVID CARTER, CEO

DATE SIGNED

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

(AUG 91)

interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: CUSTOMER NUMBER:

93-R-0406

1794

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Theravance, Inc. 901 Gateway Blvd San Francisco, CA 94080

Telephone: (650) -808-6027

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| | | ONTROL OF RESEARC | CH FACILITY (Attach additional | al sheets if necessary or use APHIS Form 7023A) | |
|------------------------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| | | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, res or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report | F. TOTAL NUMBER OF ANIMALS (COLUMNS |
| 4. Dogs | | | | | |
| 5. Cats | | | | | 17,072 |
| 6. Guinea Pigs | 388 | 1,713 | 15,359 | | 17,072 |
| 7. Hamsters | | | | | 4 |
| 8. Rabbits | | 4 | | · | 1 |
| 9. Non-human Primates | 4 | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | | | | | |
| | | | | | - |
| 13. Other Animals | | | | | - |
| | | | | 6 | |
| | | | | | 1. |
| | | | | | |
| | | | | | |

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual reservances. teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately appro Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) Pat Humphrey, EVP-Research

DATE SIGNED

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

(AUG 91)

SIGNATURE OF C.E.O OR INSTITUTIONAL OFFICIA

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0408

CUSTOMER NUMBER: 1800

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Sansum Diabetes Research Institute 2219 Bath Street Santa Barbara, CA 93105

Telephone: (805) -682-7640

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

2219 Bath St.

FACILITY LOCATIONS (Sites) - See Atached Listing

| | В. | C. | Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. | Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. | eets if necessary or use APHIS Form 7023A) Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for wh the use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, resor interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasc such drugs were not used must be attached to this report | F. TOTAL NUMB OF ANIMAL (COLUMN C + D + E |
|------------------------|--------------------------------------------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| . Dogs | | | | | | 1 | | 0 |
| i. Cats | | | | | • | 1 | | ļ |
| 5. Guinea Pigs | \top | T | | | | _ | | 0 |
| 7. Hamsters | +- | T | | T | | | | 0 |
| B. Rabbits | + | T | | T | | | | 0 |
| | + | + | | + | | \top | | 0 |
| 9. Non-human Primates | + | + | | + | | + | | 0 |
| 0. Sheep | - | + | | + | | + | | 0 |
| 11. Pigs | - | 1 | | + | | + | | 0 |
| 12. Other Farm Animals | 1 | 1 | | + | | + | | 0 |
| | | 1 | | 1 | | + | | 0 |
| 13. Other Animals | | | | 1 | | + | | + |
| | + | T | | | | | | |
| | + | 1 | | T | | \perp | | + |
| | + | 十 | | _ | | T | | |

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and app Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

Lois Jovanovic, M.D.

DATE SIGNED 11/24/

APHIS FORM 7023 (AUG 91)

Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

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NOV 2 9 2004

tis report is required by law (7 USC 2143). Failure to report according to the regulations can is report is required by law (7 USC 2143). Failure to report according to the regulations can usually in an order to cease and desist and to be subject to penalties as provided for in Section 21.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

See attached form for additional information.

Interagency Report Control No.:

1. CERTIFICATE NUMBER: 93-R-0409 CUSTOMER NUMBER: 1807

FORM APPROVED OMB NO. 0579-0036

Genteric, Inc.

50 Woodside Plaza, #102 Redwood City, CA 94061

Telephone: (510) -749-6060

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

| RTING FACILITY (List all low | | | TACH ITY (Attach additions | E. Number of animals upon which teaching, experiments, E. Number of animals upon which teaching, experiments, defined the second of the seco | TOTAL NUMBER |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| S USEC | BY OR UNDER CON | TROL OF RESEARCH | Number of animals upon | resource pain of discharic analgesic, of trees res | DE ANIMA |
| Animals Covered By The Animal Neffare Regulations | Number of snimal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | which expension, research, surgery, or tests were conducted involving ecompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | research, are painting pain or distress; analgesic, or transposition the use of appropriate anesthetic, analgesic, or transposition the use of appropriate anesthetic and the procedures, restancy or interpretation of the teaching, research, experiments, or interpretation of the teaching, research, experiments, or interpretation of the procedures surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the resect producing pain or distress in these animals and the resect producing pain or distress in these animals and the resect producing pain or distress in these animals and the resect producing pain or distress in these animals and the resect producing pain or distress in these animals and the resect producing painting the procedure. | (C+D+E) |
| Dogs | | | | + | 10 |
| Cats | | | | | 7 |
| . Guinea Pigs | 1 | + | | | 10 |
| 7. Hamsters | | + | | | 0 |
| 8. Rabbits | | + | | | - W |
| 9. Non-human Primates | - | <u> </u> | | | |
| 10. Sheep | - |] | - | | |
| 11. Pigs | ls - | | | | |
| 12. Other Farm Animal | - | 1 | | | |
| 13. Other Animals | | 1 | | | |
| | | 1 | | appropriate use of anestetic, analgesic, and tranquilizing drugs, pri- | ior to, during, and following |
| | | | | appropriate use of anestetic, analgesic, and a specified and explain exceptions to the standards and regulations be specified and explain exceptions to the standards and regulations to identifying the IACLIC | |

- Professionally acceptable standards governing the care, treatment, and use of anima leaching, testing, surgery, or experimentation were followed by this research facility.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations to identifying the IACUC-approved exceptions, this summation of Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summation of the exceptions, as well as the species and number of animals affected. The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and us Each principal investigator has considered alternatives to painful procedures.

| 3) | This facility is adhering to the Committee (the species and number of the provision of adequations). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequation of the exceptions, as well as the species and number of the exceptions, as well as the species and number of adequations of the exceptions, as well as the species and number of adequations of the exceptions, as well as the species and number of adequations of adequat | ATES |
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| 4) | This facility is advering und Use Committee (International Animal Care and Use Care Institutional Animal Care and Use Care Institutional Official) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adoquetion of ado | 121 |
| | THANKS THE GOOD TO THE TOTAL TOTAL TO THE TO | |
| 4 | THATURE OF C.E.O. ORUNS (ITOKIONAL OFFICIAL VIII) | |
| 311 | Pacific S VS PDRM 18-23 (OCT 88), which is business | |
| | F COBN 7023 | |

APHIS FORM 7023 (AUG 91)

oort is required by law (7 USC 2143). Failure to report according to the regulations can an order to cease and desist and to be subject to penalties as provided for in Section 215.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

See attached form for additional information. Interagency Report Control No.:

93-R-0412 1. CERTIFICATE NUMBER: CUSTOMER NUMBER: 1832

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FORM APPROVED OMB NO. 0579-0036

Agbio Company 1513 River Oaks Drive Modesto, CA 95356

Telephone: (209) -727-3688

REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

| | UNIDER COL | NTROL OF RESEARCH | FACILITY (Attach additions | E. Number of animals upon which teaching, experiments. | or wh TOTAL NUMBER OF ANIMALS |
|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| PORT OF ANIMALS USED Animals Covered By The Animal Welfare Regulations | Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yeused for such purposes. | Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | Number of animas upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | Sheets if necessary or use APHIS Form 7023A) Number of animals upon which teaching, experimen research, surgery or tests were conducted involving accompanying pain or distress to the animals and for the use of appropriate anesthetic, analyseisc, or transport or interpretation of the teaching, research, experiment or interpretation of the teaching, research, experiment of the procedure surgery, or tests. (An explanation of the procedure producing pain or distress in these animals and the such drugs were not used must be attached to this | C+D+L/ |
| Dogs | | | | | |
| Cats | | | | | 3996 |
| . Guinea Pigs | 1 | | | | |
| 7. Hamsters | 202 | 3996 | | | |
| 8. Rabbits | 302 | | | | |
| 9. Non-human Primates | | | | | |
| 10. Sheep | | | | | |
| 11. Pigs | | | | | |
| 12. Other Farm Animals | 3 | | | | |
| 13. Other Animals | | | | | |
| | | | | propriate use of anestetic, analgesic, and tranquilizing drugs eptions to the standards and regulations be specified and expend to this annual report. In addition to identifying the Management | s, prior to, during, and following |
| ASSURANCE STATE | EMENTS | governing the care, treatment entation were followed by this dered alternatives to painful | nt, and use of animals, including app | propriate use of anesteric, and a second property of the standards and regulations be specified and experience to the standards and regulations to identifying the Mached to this annual report. In addition to identifying the Mached to this annual report. | leighed by the principal invest |

ASSURANCE STATEMENTS

- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulation to identifying the IACUC-approved exceptions. this sun Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator.

 Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this sun brief explanation of the exceptions. as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and
- (Chief Executive Officer or Legally Responsible Institutional Official)

| brief explanation of the ex- | for this research facility has appropriate assets | BY HEADQUARTERS RESEARCH INTERPRETATION IN THE INTERPRETATION INTE | onal Official) | DATI |
|-------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------|
| The attending veterina name | for this research facility has appropriate authority CERTIFICATION Chief Execut | BY HEADQUARTERS RESEARCH ive Officer or Legally Responsible Instituti | TITUTIONAL OFFICIAL (Type or Print) | 11. |
| | (Chick E | | | |
| | TIONAL OFFICIAL | Nyet V. Yo | ong - Partner | |
| SIGNATURE OF C.E.O. OR IN | estitutions on | NYCC | | |
| | | solete.) | | |

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0413 CUSTOMER NUMBER: 1836

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

California State University Humbolt Arcata **Humboldt State University** Arcata, CA 95521

Telephone: (707) -826-3256

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| <u> </u> | | OF DESEADO | CH EACILITY (Attach addition: | al sheets if necessary or use APHIS Form 7023A 1 | |
|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| REPORT OF ANIMALS L Animals Covered By The Animal Welfare Regulations | B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | ONTROL OF RESEARCE C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for whithe use of appropriate anesthetic, analgesic, or tranquiliz drugs would have adversely affected the procedures, resor interpretation of the teaching, research, experiments, surgery, or test. (An explanation of the procedures producing pain or distress in these animals and the reason such drugs were not used must be attached to this report | F. TOTAL NUMBER OF ANIMALS (COLUMNS |
| 4. Dogs | 0 | 0 | 0 | C | 0 |
| 5. Cats | 0 | 0 | 0 | 0 | 0 |
| 6. Guinea Pigs | 0 | 0 | 0 | 0 | 0 |
| 7. Hamsters | C | 0 | 0 | 0 | 0 |
| 8. Rabbits | 0 . | 0 | 0 | C | |
| 9. Non-human Primates | 0 | 0 | 0 | 0 | 0 |
| 10. Sheep | 0 | 0 | 0 | 0 | 0 |
| 11, Pigs | | 0 | 0 | 0 | 0 |
| 12. Other Farm Animals | 0 | 0 | 0 | C | 0 |
| 12. 00101 1 | 0 | 1 | | | |
| 13. Other Animals | | | | | |
| | 0 | 3 | 0 | 0 | 3 |
| Kit Fox | 0 | 2 | 0 | 0 | 2 |
| Red Fox | <u> </u> | | | | |

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual reservances to the control of ASSURANCE STATEMENTS teaching, testing, surgery, or experimentation were followed by this research facility.

 - 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and applicable to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and applicable to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and applicable to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and applicable to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations to the standards and regulations are standards are standards. Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions are unit or the exceptions.
 - 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use. brief explanation of the exceptions, as well as the species and number of animals affected.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

O. OR INSTITUTIONAL OFFICIAL SIGNATURE OF C

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

Steven A. Smith, Associate Dean

DATE SIGNE

APHIS FORM 702

(Replaces V8 FORM 18-23 (OCT 88), which is obsolete.)

(AUG 94)

See reverse side for additional information.

Interagency Report Control No. 0180-DCA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED CMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

include Zip Code) California State University Humboldt Arcata

2. HEADQUARTERS RESEARCH FACILITY Warne and Address, as registered with USDA

Humboldt State University

Arcata, CA 95521

Telephone: (707) 826-3526

| REPORT OF ANIMALS USED BY OR | UNDER CONTROL OF | RESEARCH FACILITY | (Attach adiditional sheets il nec | essary or use this form.) | |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| | B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes. | C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals, and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report). | TOTAL NO. OF ANIMALS (Cols. C + D + E) |
| 13 Continued | | | | | |
| | | | | | |
| Fisher | 1 | 0 | 0 | 0 | 1 |
| Deer (Blk-taile | | 1 | 0 | C | 2 |
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ASSURANCE STATEMENTS

- 1). Professionally acceptable standards governing the care, treatment, and use of animals, including approriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4). The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

DATE SIGNED

Smith. Associate Dean

14/19/04

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 215 See attached form for additional information. interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0414 CUSTOMER NUMBER: 1837

FORM APPROVED OMB NO. 0579-0036

2004 ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

California State University, Chico 1st And Normal Streets Chico, CA 95929

Telephone: (530) -898-6880

3. REPORTING FACILITY (List all locations where enimals were housed or used in actual research, testing, or experimentation, or hald for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Alached Listing

| Animala Covered By The Animal Welfare Regulations | being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analyssic, or tranquilizing drugs were used. | research, surgery or lests were conducted involving accompanying pain or distress to the animals and for with the use of appropriate enesthetic, analgesic, or tranquilit drugs would have adversely affected the procedures, resion interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report | TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E) |
|---------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| . Dogs | | | | · | |
| 6. Cats | | | | | |
| . Guinea Pigs | | | | | |
| 7. Hamsters | | | | | |
| 8. Rabbits | | | | | |
| 9. Non-human Primates | | | | | |
| ID. Sheep | 230 | | | | |
| 11. Pigs | 168 | | | | |
| 12. Other Farm Animals | | | | | + |
| Bert cottle | 175 | | | | |
| 13. Other Animals | | | | | - |
| Dairy cattle | 40 | | | | |
| Truty center | | | | | |

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual rest teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and appropriate the standards and regulations are standards and regulations. This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and applications in the standards and regulations be specified and explained by the principal investigator and applications in the standards and regulations to identifying the IACUC-approved exceptions, this summary in brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

NAME & TITLE DEC.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)
Susan Place, Interim Dean

DATE SIGNED 12-17-04

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL 1 acc

of Graduate Internations

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

Dec 17 04 05:09p

_____ This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 21:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

See attached form for additional information.

Interagency Report Control No.:

1. CERTIFICATE NUMBER: 93-R-0414

CUSTOMER NUMBER: 1837

FORM APPROVED OMB NO. 0579-0036

California State University, Chico 1st And Normal Streets Chico, CA 95929

Telephone: (530) -898-6880

3. REPORTING FACELTY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Siles) - See Atlached Listing

| EPORTING FACILITY (List | an locati | FACILITY | LOCATIONS (Sites) - See | APHIS Form 7023A) | |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| | | PESEARCH | FACILITY (Attach addition | al sheets if necessary of use | F. |
| EPORT OF ANIMALS U | being bred. | which teaching. | surgery, or tests were | accompanying pain or distress to are analysis, or tranquilize the use of appropriate aneathetic, analysis, or tranquilize the use of appropriate aneathetic, analysis, or tranquilize the use of the procedures, residually research, experiments, the transcripting research, experiments. | (COLUMNS |
| Animals Covered By The Animal Welfare Regulations | held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | ecompanying pain or distress to the animals an for which appropriate enesthetic, analyssic, or tranquitizing drugs were used. | or interpretation of the special surgery, or tests. (An explanation of the procedures surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasproducing pain or distress in these animals and the reasproducing pain or distress in these animals and the reasproducing the procedure of the procedur | |
| . Dogs | | | | | |
| 5. Cats | | | | | |
| 6. Guinea Pigs | | - | | | |
| 7. Hamsters | | - | | | - |
| 8. Rabbits | | - | | | |
| 9. Non-human Primate | es | 1 | | | |
| 10. Sheep | 230 | | | | |
| 11. Pigs | 168 | 1 | | | |
| 12. Other Farm Anim | als | | | | |
| | 1 1 7 | | | | |
| Reaf cott | e | | | | |
| 13. Other Animals | | | | | |
| Dairy Cat | He 40 | | - | | |
| | 1 | | | propriate use of anestetic, analgesic, and tranquilizing drugs, prior | a during, and following act |

- 1) Professionally acceptable standards governing the care, treatment, and use of enimals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual rest teaching, testing, surgery, or experimentation were followed by this research facility. ASSURANCE STATEMENTS

 - 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approximately in the lacture of the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations to the standards and regulations under the Act, and it has required that exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in the interest of the standards and regulations and regulations to the standards and regulations and regulations.
 - 4) The attending velatination for this research facility has appropriate authority to ensure the provision of adequate velorinary care and to oversee the adequacy of other aspects of animal care and use. DATE SIGNED

(Chief Executive Officer or Legally Responsible Institutional Official)

NAME & TITLE DECEO OR INSTITUTIONAL OFFICIAL (Type or Print) Susan Mace, Interin Dean

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL APHIS FORM 7023

1ace (Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

(AUG 91)

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 93-R-0415 CUSTOMER NUMBER: 1838

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

California State University Fresno 5241 North Maple Avenue, Ms Ta 54 Fresno, CA 93740

Telephone: (200) -278-2636

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

| | | | TACH ITY (Attach additions | i sheets if necessary or use APHIS Form 7023A 1 | |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| | SED BY OR UNDER CO B. Number of animal being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye used for such purposes. | C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use or pain-relieving drugs. | D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals an for which appropriate anesthetic, analgesic, or tranquilizing drugs were used. | E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for whithe use of appropriate anesthetic, analgesic, or tranquilized rugs would have adversely affected the procedures, resor interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reast such drugs were not used must be attached to this report | TOTAL NUMBER OF ANIMALS (COLUMNS C+D+E) |
| 4. Dogs | 0 | | | | |
| 5. Cats | 0 | | · · · · · · · · · · · · · · · · · · · | | |
| 6. Guinea Pigs | 0 | | | | |
| 7. Hamsters | 0 | | | | 2 |
| 8. Rabbits | 164 | 2 | | | |
| 9. Non-human Primates | 0 | | | | |
| 10. Sheep | 0 | | | | |
| 11. Pigs | 0 | | | | |
| 12. Other Farm Animals | 0 | | | | |
| | | | | | |
| 13. Other Animals | 0 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual reservables testing ASSURANCE STATEMENTS teaching, testing, surgery, or experimentation were followed by this research facility.

 - This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and ap Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in the following the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary in the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report.
 - 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use. brief explanation of the exceptions, as well as the species and number of animals affected.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

DATE SIGNEI

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) Jeri) Echeverra, Ph.D

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

APHIS FORM 7023 (AUG 91)